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PLEASE USE SUBSCRIPTION BLANK ON PAGE 18.

GREEN'S FRUIT GROWER AND HOME COMPANION

FEBRUARY, 1906



Sacks of Western Wheat Piled up Outdoors Waiting Facilities for Shipment.

See article on page 8.

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OUR PREMIUM OFFERS

Notice, that on and after January 15th, 1906, the price of GREEN'S FRUIT GROWER will be 60 cents per year, if paid in advance, or to \$1.00 per year, if not paid in advance.

We name below some Premium offers that will please you. Many of the subscriptions to Green's Fruit Grower expire with this issue. Please send your renewals NOW. DO IT NOW, taking advantage of one of these offers, and we will extend your subscription ONE YEAR. We make few offers, but make these exceedingly desirable. All will be sent by mail, postpaid. See our Combination and Clubbing Offers with other papers on another page.

NOTICE.—When you send in your subscription you must in the same letter claim your premiums. If you fail to do this, it will be useless for you to make your claim later, since it is impossible for us to look over 127,500 subscribers to adjust such a small matter. ORDER BY NUMBER ONLY. Agents figure all subscriptions at 60 cents each, and then get the premium for your commission. Plants will be mailed in early spring.

Enclose bank draft on New York, P. O. order or express money order and your order will be filled. We prefer postage stamps to individual checks, which cost us 10 cents each to collect.

GREEN'S FRUIT GROWER,
Rochester, N. Y.

PREMIUM No. 1



We will mail you ten plants of Green's New Un-named Strawberry, pineapple flavor, large, productive and vigorous, and GREEN'S FRUIT GROWER one year, all for 60 cents.

PREMIUM No. 2



TREE AND GRAPE VINE PRUNER

We offer the Levin Pruning Shears, being well tested by Chas. A. Green, best of all pruners, to all who send 75c for our paper one year, who claim this premium when subscribing.

PREMIUM No. 3

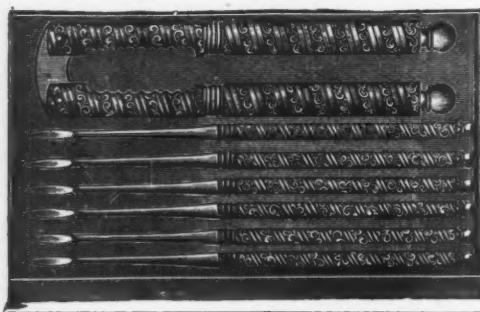
RUBBER STAMP



with your name and address. This is a valuable premium. It is a nickel-plated machine which you can carry in the pocket, with self-inking rubber type, which stamps your name and address on envelopes, letter heads, etc., so that your letters cannot go astray. Sent to all who send us 60c for our paper one year, who claim this premium when subscribing.

PREMIUM No. 8

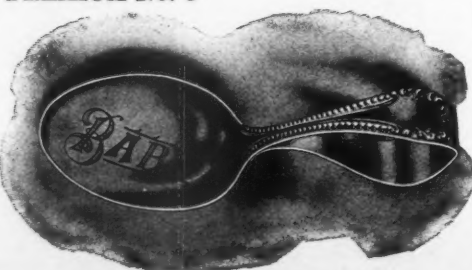
NICKEL PLATED NUT PICK SET



This is both a useful and an elegant premium. The set consists of a handsome and strong nut crack and six nut picks, all enclosed in a neat box, as shown in the illustration. Both the nut crack and the nut picks are NICKEL-PLATED. The material used in the manufacture of both of these articles is the finest steel. The handles of the nut picks are made in a pretty design, while the points are highly polished. The nut crack is of a design corresponding to the nut picks and is made for good strong service.

This complete set given to all who send us 50c. for our paper one year and 10c. additional if they claim this premium when subscribing. Send 60c. for paper and complete set. Mailed prepaid.

PREMIUM No. 9

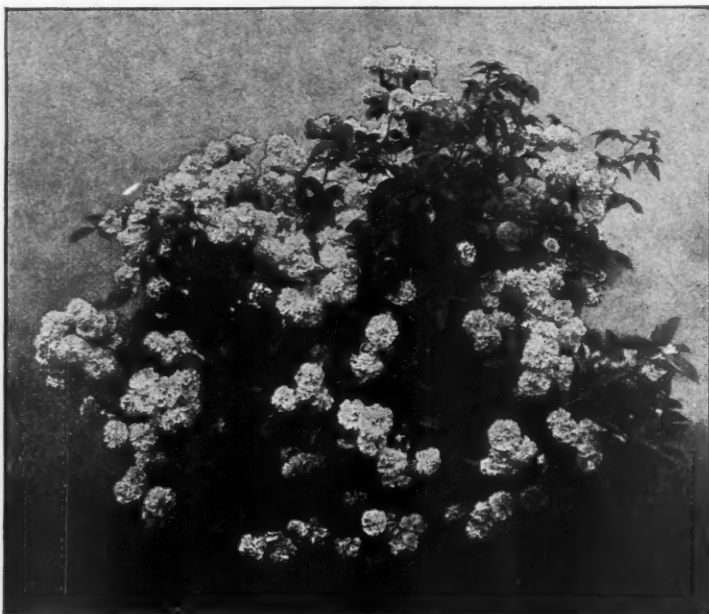


Green's Gift.

It is the best thing in the world for the baby to feed itself with. Our grandchild has one. No baby can get on well without it. What more attractive gift can you make your own baby or your grandchild? We will mail, prepaid, this heavily silver-plated spoon with gilt bowl as a premium to all who send us 70 cents for one year's subscription to

Green's Fruit Grower.

PREMIUM No. 4



THE LIVE-FOREVER ROSE—BLOOMS FIRST YEAR AND EVERY YEAR

A bug-proof, hardy rose. If you have tried growing roses and failed, try once more, for we have discovered a rose which lives long and is proof against insects and diseases. It is as easy to grow this variety as lilacs, corn or sunflowers.

Live-Forever Rose is so rapid in growth and of such healthy foliage, it is proof against all enemies. It needs no spraying. This is an old rose newly discovered, described by Pliny, the historian, who lived when Pompeii was destroyed by the volcano Vesuvius. It was the national rose of the Roman Empire, known as the Hundred Leaf Rose. It followed the Roman eagles and legions. It grows to-day over the Roman world. To others it is known as the Many Flowering Rose. No rose on earth produces large double flowers more profusely than the Live-Forever. When it first blossoms it is a deep pink. At the end of two weeks the roses have turned white. This variety is remarkably fragrant. A bed of them will scent a whole yard.

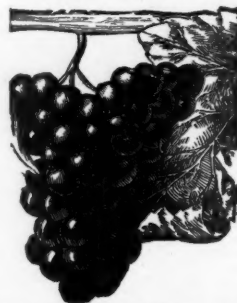
I recommend this rose to all, especially to those who have not been able to succeed with roses. Plant it in large beds and you will have a display of bloom that will attract attention and admiration. Plant it in the form of a hedge and you will have something attractive and unique. You can train it low or high as you desire. Live-Forever Rose can be trained as a climbing or as a bedding rose, or it can be trained to a single stalk like a rose tree.



LIVE-FOREVER ROSE GROWN AS A HEDGE

We offer three one-year plants of Live-Forever Rose and GREEN'S FRUIT GROWER one year for 60c.

PREMIUM No. 5

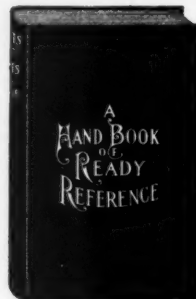


REGAL NEW RED GRAPE

FOR 75 CENTS. One strong, well-rooted vine of this new and valuable early red grape will be sent you postpaid with GREEN'S FRUIT GROWER for 75 cents. Matthew Crawford received \$300.00 for this new grape, which he says is so valuable that if he could have only one variety of grape he would have the Regal. It is vigorous and very productive. Color, bright red. This grape will keep all winter with proper care.

PREMIUM No. 6

A NEW READY REFERENCE BOOK



GREEN offers as a premium or gift to his subscribers. It is called Facts and Forms, a hand-book of ready reference. It gives facts in letter writing, book-keeping, business forms, interest, grain and wage tables, lightning calculators, common and commercial law.

This book is a library of itself for the business man. There are 256 pages illustrated. C. A. Green says this is a valuable book, one that will be useful

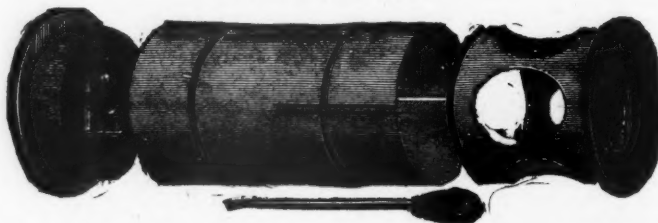
to all readers of GREEN'S FRUIT GROWER. GREEN'S OFFER.—We offer to mail this book postpaid as a premium to every subscriber who sends 60 cents for GREEN'S FRUIT GROWER one year and asks for this gift when sending the money.

PREMIUM No. 7

SIX FIRE-PROOF MATS

Asbestos mats are very desirable for the housewife. They are indestructible by fire. Even if you throw these mats on the burning coals, and leave them there all day, they will not burn or become scorched. Place these mats on your hottest stove, then you can place on the mat your tin or other dish and cook or stew without any danger of burning. There are many ways in which the housewife can make these fireproof mats of service. Therefore, GREEN'S FRUIT GROWER decided to offer six of these fireproof mats, to be sent by mail, postpaid, as a premium with each subscription to GREEN'S FRUIT GROWER at 60 cents, the subscriber to claim this premium when sending the 60c.

PREMIUM No. 10



A SCIENTIFIC MICROSCOPE

This microscope is especially imported from France. As regards power and convenient handling, good judges pronounce it the best ever introduced for popular use. The cylindrical case is manufactured from highly polished nickel, while there are two separate lenses—one at each end of the microscope. The larger glass is a convex magnifier, adapted for examining insects, the surface of the skin, the hair, fur or any small article. The other lens is exceedingly powerful, and will clearly delineate every small object entirely invisible to the naked eye. Every farmer, family, school and teacher should own a microscope. Send us 60c for microscope and subscription to GREEN'S FRUIT GROWER one year.

PREMIUM No. 11



CLEAN CUTTER KNIFE

FOR 60 CENTS. The above knife we have thoroughly tested and found it to be reliable and a good clean cutter. We offer to mail it to you as a premium with GREEN'S FRUIT GROWER for one year for 60 cents.

"GARDEN and FARM" Incorporated with Green's Fruit Grower, May 15th, 1902.



Twenty-sixth Year.—No. 2.

ROCHESTER, N. Y., FEBRUARY, 1906.

Monthly, 60 Cents a Year.

Our HEALTH DEPARTMENT

Consumption—This dread disease is the universal plague of mankind. More people die of consumption each year than of any other disease. It is not contagious as has been supposed in the past. Consumption can only be acquired by taking the germs into the system through the breath or infected food. The consumptive person every hour coughs up millions of germs which, if taken into the system of other feeble people, may cause them also to have consumption. It is therefore a vicious act for any consumptive to spit upon the street, or upon the ground anywhere. The sputa should be burned. It is difficult to teach consumptives the importance of this effort to destroy the germs that he coughs up and is liable to spread broadcast upon the wind in the dust that is breathed by others. Medicine does not cure consumption. It is a house disease; that is it attacks those who are confined largely to indoor life under unsanitary conditions. It is most prevalent in filthy and poorly lighted and ventilated tenements, but seldom attacks men or women who live largely outdoors.

The remedies suggested are good nourishing food, fresh outdoor air and sunshine. It is easier to prevent consumption than to cure it, therefore the importance of getting as much outdoor exercise, fresh air and sunshine as possible. Most grown people have spent from ten to twenty years of their lives in bedrooms asleep, and most bedrooms are poorly ventilated, hence they have done much to increase the number of consumptives. Every bedroom should be as large as possible and should have a raised window at night, summer and winter, regulating the supply of fresh air somewhat according to the temperature. That it is safe to have fresh air entering the bedroom at night is assured by the fact that consumptives live outdoors night and day, summer and winter, and this is the method prescribed for their cure, even where the temperature is often at zero.

How to Keep Young.

The fact that one has lived for 60, or even for 80 years, is no reason why he should feel old, says an exchange.

When Longfellow was well along in years, his head as white as snow, but his cheeks as red as a rose, an ardent admirer asked him one day how it was that he was able to keep so vigorous and to write so beautifully.

Pointing to a blossoming apple tree near by, the poet replied: "That apple tree is very old, but I never saw prettier blossoms upon it than those which it now bears. The tree grows a little new wood each year, and I suppose it is out of that new wood that those blossoms come. (No, it is from the old wood of the apple. New wood of the peach and grape give fruit. Editor G. F. G.) Like the apple tree, I try to grow a little new wood each year."

And what Longfellow did we all ought to do. We cannot stop the flight of time; we cannot head off the one event that "happeneth to all; but we can keep on "growing new wood," and in that way keep on blossoming until the end.

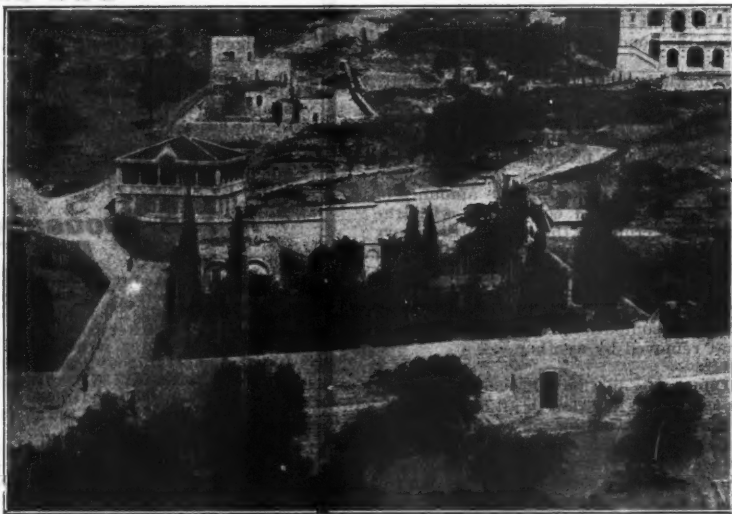
Exercise is easily overdone.

Garden of Gethsemane on Mount Olivet

By Rev. Frank S. Rowland.

The Garden of Gethsemane, situated on the western slope of Olivet, is to many the most sacred spot, the place of the most hallowed memories connected with the life of Christ. There are two gardens in which it is claimed that the Savior spent that awful night—one held by the Orthodox Greeks and the other by the Roman Catholics, but they lie side by side, one at the right and one at the left of the path which is seen in the picture; it is quite possible that they both may have been a single garden in the time of our Lord. The one to the right

ble to the poorer classes. The farmer and the laborer leave their home in the morning with no other provision than a loaf of bread and a package of pickled olives wrapped up in leaves. The oil of the olive is a substitute for butter and lard, and is used for the cooking of almost every dish, and until very recently it was exclusively used for illuminating purposes. Kerosene, in some localities is rapidly taking its place as it is sold very cheap. Every part of the olive is used; even the pulp after the oil has been extracted from it is used for fuel,



THE GARDEN OF GETHSEMANE.

is the Roman Catholic site. The Garden is surrounded by a thick hedge with a wall. The Franciscan monks have charge of it and always keep it in the very best of order. The garden contains beautiful shrubbery and flowers; seven or eight olive trees, very old, grow there; they are about nineteen feet in circumference, and it is quite possible that they sprang from the same roots as those that were standing during our Lord's sojourn on this earth. These trees are utilized by the monks in an extraordinary manner for the purpose of raising money. One who is familiar with their custom says, "Each is theoretically owned by a stock company, unlimited. As much stock is issued as the public will absorb, and the dividends, which are paid in the form of little fancy vials filled with oil, are certain. Although the trees ceased to bear oil centuries ago, the monks in charge do not hesitate to give assurance to the contrary to the share holders, and of course there is always enough oil to be had in Jerusalem to pay the dividends. Ground sanctified by the Savior's tears, to many minds the most sacred place on earth, is thus profaned by this and other swindles practiced by men who should be driven from that holy place as Christ drove the traders from the temple."

A word concerning the olive tree and its products would not be out of place in a magazine devoted to horticulture. This tree to the people of Palestine, is one of the chief sources of revenue. Its fruit is their chief mainstay, indispensable

which is very scarce in eastern countries. The olive tree has a very slow growth; it bears no fruit till after it has been planted seven years, and the crop scarcely pays for the gathering until the tree is at least ten years old, but it will continue to yield abundantly for centuries and requires little or no care. There are knobs or large warts on the body of the trees. If you will cut one of them off, plant it in good soil, give it plenty of water and sunshine, it will strike out roots and grow. Large trees in a good season will yield from fifteen to twenty bushels of olives, which are good for from ten to twelve gallons of oil.

Somewhere in this immediate vicinity, possibly in this very garden before us, Jesus went forth with his apostles on that eventful night preceding his crucifixion and death. The account reads, "Jesus went forth with his disciples over the brook Kidron, where was a garden, into the which he entered."

Cream Poulitice.—A thoroughly tested and invaluable poultice for wounds from rusty nails, needles, bruises, felons or boils is made by mixing thick sweet cream and flour to the consistency of biscuit dough.

Tomatoes rouse torpid liver and do the work ordinarily of a doctor's prescription.

Lettuce has a soothing, quieting effect upon the nerves, and is an insomnia remedy.

What Sunshine Does for Us.

Do we ever think what we owe to the bright beautiful sunshine? What it means to us, and how dependent we are on it for life, health, cheerfulness and happiness, says Medical Talk.

Sunshine consists of a metallic shower which bathes us with elementary iron, sodium, magnesium, calcium, copper, zinc, nickel and hydrogen, the whole surface of the sun being an unbroken ocean of fiery fluid matter, containing a flame atmosphere of vaporized metal and gases such as oxygen and hydrogen.

Nothing thrives without sunshine; plants, animals and man need it and cannot thrive without it.

It is said that the nude races like the Kaffirs of Borneo and others who absorb into their systems the unobstructed power of the sun's rays possess marvelous health, strength, vitality and endurance and power of recuperation, with immunity from disease. With these races, who are so much more pure than the so-called civilized ones, all prurient feelings are done away with, the sun and air kindling the surface of their bodies into wonderful activity.

Caring for the Eyes.

R. Kalish points out some popular fallacies in regard to diseases of the eye, which he says are often the cause of serious injury to the visual power, says Medical Record. Among these is the senseless outcry against the wearing of glasses by the young, the belief that squint in young children should go untreated, as they will outgrow it, and especially what the author terms the self-fitting of glasses in the establishments of opticians. The victims in these places are allowed themselves to select the glasses that seem to "fit," and not 20 per cent. of such eyes are accurately corrected as to the refractive error, and sooner or later it is discovered that serious damage has been done. Much emphasis is laid by the author on the broad rule that glasses should never be ordered without an ophthalmoscopic examination. Instances are cited in which the glasses obtained from opticians were wholly unsuitable and did positive harm.

Blushes.—Blushing is not an art, neither is it a sign of ill-breeding, as some unkind people maintain. The fact is, it is just as natural for some persons to blush as it is for others to turn pale. The same laws of nature which govern the one rule govern the other. The capillaries, or small blood vessels, which connect the arteries and veins of the body form, particularly over the cheeks, a network so fine that it is necessary to employ a microscope to distinguish them. Ordinarily the blood passes through these vessels in normal quantities, leaving only the natural complexion. But when some sudden emotion takes possession of the heart its action increases and an electric thrill instantly leaps to the cheeks. The thrill is nothing more than the rush of blood through the invisible capillaries just beneath the delicate transparent surface of the skin.

Faddists are learning that too frequent hot baths debilitate the skin.

Continued use of cold baths debilitates the system.

Too much water taken internally reduces the digestive fluids.

How contagious is the insomnia of the midnight cat!

Back to the Farm.

Now and then the clouds enwrap me,
Closing all the world from view;
And alone I sit in dreamland,
Where the meadow bathes in dew.
All about the flowers blooming,
Nod and bow their pretty head,
And the bluebells seem to jingle
Merry songs to roses red.
Then the clouds that close enwrap me
In my retrospective dream
Seem to lift and bear me onward
Toward the ocean—down the stream.
O, how sweet is memory's calling,
Lifting one from thoughts of harm
Back again a barefoot boy
Back to home, down on the farm.
—A. U. Mayfield in Denver "News."

The Royal Walnut.

By Luther Burbank.

Although nearly all nuts can be well grown in California, yet the Royal walnut (*Juglans regia*) will without doubt in some one of its improved varieties always be the leader, says Luther Burbank as reported in the California "Fruit Grower." The Royal, long known in commerce under various names such as Persian, English, French, Welsh, Italian, European, Madela, Chili, and later as the California walnut, has been cultivated for more than 2000 years. It is a native of the Caucasus, Persia, and the northern mountains of India, and probably also of western China; the Royal walnut, the peach and the apricot were all derived originally from the same region, where they may still be found growing wild. The nuts from the wild native varieties have rather thick shells, are much smaller, not of as good quality, and not as freely produced as with our greatly improved cultivated ones. The name walnut came by an English corruption of the word Gaul-Gaulnut (France)—from which England even to-day draws her principal supply.

Royal walnut trees have been common throughout central and southern Europe from the sixteenth century down to the present time, but for 2,000 years the crop has been mostly raised from seedling trees. If a knowledge of the possibilities for improvement by selection and grafting had been generally applied during this long time these nuts would have been a universal food throughout the whole earth, and productive trees of superior varieties would have been common everywhere, though cold winters have occasionally greatly injured and sometimes destroyed many of the trees; even as far south as France and Germany, where the timber is much used for furniture and other purposes, and has been so highly prized that bearing trees have sometimes been sacrificed for lumber, and for almost 200 years France has maintained an act to prevent the exportation of walnut lumber.

In America the Royal walnut grows as far north as New York and New England. The trees were quite common on Manhattan Island 150 years ago, but later the march of improvement necessitated the removal of most of them; the crop of nuts was, however, always very uncertain and not encouraging from a business point of view.

Our Southern neighbors were the first to obtain improved varieties, and have been well repaid for their enterprise and foresight, for nothing which grows on trees has generally paid better than walnuts, but much had to be learned about soils, locations, varieties, stocks, distance for planting, modes of harvesting, curing, marketing, etc. In all cases the best results will be obtained by grafting on our native black walnut or some of its hybrids.

Base of all Wealth.

Agriculture has always been, and will continue to be, the basic foundation of wealth, and when allied with the factory it reaches its highest development. In this country and Germany these two sources of wealth are nearer together than in any other. England is a vast workshop, but food supplies to a large extent come from the outside. As long as England could make goods and sell to countries depending solely upon the soil she prospered, but the feeling is rising in the colonies and in other countries and English domination of trade is no longer a fact. America, as the present administration now distinguishes the United States, is now entering upon its greatest era of manufacturing, which is certain to have beneficial influence upon agriculture. Our shops now rival those of England, as they continue to increase the land must produce at an increased ratio to supply our industrial demands as well as to furnish a share of food for the hungry of other countries. The best arable land of the country is already taken up. The problem is more intensive and intelligent cultivation and the application of water to the land in the arid states.

"Don't you think her husband is naturally a gentle, patient man?"
"Sometimes I think he is and sometimes I think she's got him scared."—Houston "Post."



Care of Carriages.—The following instructions are given by an experienced carriage builder in reference to the care of fine carriages: Freshly varnished carriages should be washed frequently and exposed to the air in the shade and should not be covered until the varnish has become hard. Mud allowed to dry upon fresh varnish will leave spots, and exposure to ammonia will destroy fresh varnish. Plenty of water should be used, and great care taken that it is not driven into the body of the carriage, to the injury of the lining. For the body panels a large, soft sponge must be used, and when saturated squeezed over the panels, and thus, by the flowing down of the water, the dirt will be softened and run off harmlessly. Care should be taken to wipe the surface dry with soft chamois leather. Never use the same sponge and chamois for panels which are used for running gear. Never use soap on varnished surfaces and only to take off the grease and dirt around the hubs and axles.

Buying Store Feed.—In general it will pay the farmer who has ear corn to have it ground into corn and cob meal and buy some of the cheaper, more nitrogenous concentrates to supplement it. Cottonseed meal is richest in protein but is high in price when total digestible matter is considered. Buckwheat middlings and dried distiller's grains are comparatively rich in protein, and are also among the lowest in price. Where they can be had at the prices given, their use is to be recommended for a part of the ration at least. Since they both tend to produce a soft, oily butter fat it might be advisable to feed a little cottonseed meal to counteract this tendency. Wheat bran, often fed for the protein it contains is rather low in this constituent, and is also among the highest in price when digestibility is considered. It and oil meal or linseed meal are valuable, however, for their general effect upon the condition of the animal.

Soil Analysis Deceptive.—It is comparatively easy to make a complete analysis of the soil; but such an analysis gives but little information as to the amount of materials that a plant can take from the soil; and while many solvents have been tried with the hope that the amounts of food shown would correspond with the growth of crops on the soil a satisfactory solvent has not yet been found. Another reason for this unsatisfactory condition is that the weight of material removed from an acre of soil by one crop is so small in comparison with the weight of that removed by another.

Our farms in this state number about 29,400, and in addition to all other domestic animals we now have about 130,000 dairy cows. We have on an average about twenty-three cows for each one of the 5,600 square miles of farming land in the state.—Professor Ivan C. Weld, Coos county, N. H.

Suggestions for killing rats are numerous. Probably no plan is so satisfactory as to keep half a dozen cats around the barns and farm buildings. The dog should be trained to let them alone and the cats should be given just enough food to keep them alert for more game. The drawback is that cats are liable to become fond of chickens, and some of them will need watching during the chicken season.

Apples.—The apple is the commonest and yet most varied and beautiful of fruits. A dish of them is as becoming to the center-table in winter, as was the vase of flowers in the summer—a bouquet of Spitzenbergs, Greenings and Northern Spys. It pleases every sense to which it can be addressed, the touch, the smell, the sight, the taste; and when it falls in the still October days, it pleases the ear. It is a call to a banquet, it is a signal that the feast is ready. The bough would fain hold it, but it can now assert its independence; it can now live a life of its own.—Burrhoughs.

King Corn.—Achlison is dripping beneath a storm of ripe corn. From the windows and the doorways of every store and office in Commercial street corn and confetti is being hurled at the surging crowds that block the sidewalk and overflow onto the roadway. The pavements are strewn with colored favors, and the corn lies upon them already ankle deep. A huge golden cob like a yellow obelisk stands glistening in the sunlight on Commercial street like a triumphant pinnacle built there to the glory of corn. Women and girls and children are parading in corn hats and corn dresses, the street cars are decked with the shining grain, the very air of the town is strident with the odors of the great harvest.

Make your fence posts out of cement. Take two parts of good clean sand and one part of any cement, such as is used for making sidewalks; mix dry, then add water until it is about the consistency of thin mortar, and mold in a box. Put wire in the mold first, and remember that the closer the wire is to the outer edge, the stronger the post. Fasten the fence to the posts with a fine wire and there is no patent that can stop you. I have made a telephone pole twenty-five feet long of cement and have it in use. The wires are placed in the corners of it. The cement post will bear all the strain the wires placed upon it will bear. The post will last indefinitely, continuing to grow harder for a year.—J. C. Boyle in Wallace's Farmer.

Try It at My Expense —Not Yours

IF YOU are not a reader of MUNSEY'S MAGAZINE I want you to become one. I want you to know what it is like, and to know at my expense, if the magazine does not suit you. If it does suit you, and the price is right, you will naturally wish to pay for it. There isn't much in the theory of getting something for nothing. MUNSEY'S Magazine is worth your knowing. It was MUNSEY'S Magazine that led off a dozen years ago in the low price for magazines—ten cents a copy and one dollar by the year. It was the fight we had with a giant News Company monopoly that made MUNSEY'S Magazine possible, and that blazed the way for all other publishers whose magazines are issued at the price of MUNSEY'S. But this is too big and too graphic a story to be told in this advertisement.

Munsey's Magazine

has the biggest circulation of any standard magazine in the world—much the biggest. And it has made it and held it solely on its merits. In a dozen years we have not spent a dozen cents in advertising. We have no agents in the field—not an agent anywhere—we have given no premiums, have clubbed with no other publications, and have offered no inducements of any kind whatsoever. We have made a magazine for the people, giving them what they want, and giving it to them at a right price—that's all. And the people have bought it because they like it and because they could buy it at a right price. Our object in advertising now is to reach a few hundred thousand new readers—people who are not now taking MUNSEY'S MAGAZINE.

A Ten Thousand Dollar Magazine For Ten Cents

Though there are a good many three dollar and four dollar magazines in America, there is none better than MUNSEY'S, whatever the price—not one. There is no higher grade magazine, there is none better printed or printed on better paper, and there is none better or more carefully edited—none better written, and few, if any, so interesting. It costs in round numbers about ten thousand dollars a number to go to press on MUNSEY'S MAGAZINE. That is to say, if only one copy were printed it would cost ten thousand dollars, but spreading this cost over our entire edition of 750,000 copies, the amount gets down very thin on each individual copy.

When I first made this price, a dozen years ago, everybody said it was impossible—said we couldn't live—said we were bound to fail. We did live, however, and today are publishing a thousand tons of magazines a month, which is fifty car loads. This is more than three times as many magazines as were issued by all the publishers combined of the entire country when I came into the business.

It is because I am so sure of the merits of MUNSEY'S MAGAZINE, and so sure it will please you, that I am now offering to send it to you without any money in advance, and without any money at all if it does not please you. I can afford to take this chance, which, as I see it, is a very small chance, because I believe thoroughly in the rugged honesty of the people. The percentage of dishonesty among the citizens of America is far too small for consideration in a business proposition of this kind.

There is no trick in this offer—no hidden scheme of any kind whatever. It is a simple, straightforward, business proposition which will cost you nothing unless you wish it to.

The All-Story Magazine Also Free

I will not only send you MUNSEY'S MAGAZINE, as stated above, but will send you three months free, in addition, THE ALL-STORY MAGAZINE, which is another of our publications. I add this other magazine for two reasons. First, that you may have the choice of two magazines, and second with the thought that you may want both.

If this proposition interests you, and I hardly see how it could be made more to your interest, kindly fill out the coupon in this advertisement and mail it to me, and you will get the magazines as stated herein.

FRANK A. MUNSEY, New York

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FRANK A. MUNSEY, 175 Fifth Av., NEW YORK

VAN DEMAN PAPERS

Relation of the Stock and Scion.

There is a very serious question in the minds of a large majority of the fruit growers of the country regarding the stocks upon which the trees they plant are grown. They also are often concerned about the various matters connected with the union of one variety or one species when grafted or budded upon another. This whole subject is one of deep interest both practically and scientifically. Many have theories about the influence of the stock upon the scion, and the reverse; in some cases claiming that one has a transforming influence upon the other.

It has often been affirmed that the roots will so influence the branches that they will grow in form and vigor like the original tree, had it not been grafted or budded; and the same theory is advanced in regard to the influence of the top over the root. While there may be some shadow of truth in this theory and some facts that might back up the belief, yet I never could agree to it, except in a very modified way. There are countless thousands of opportunities to observe the changes that might be wrought on both root and top by the union of trees of diverse individuality, yet we hear of very few cases where it is supposed that one part has been changed by the other, so far as form is concerned. That they are changed in vigor is beyond question, and this is the true cause of dwarfing trees. A very common example is the dwarfing of the pear by budding or grafting it on the quince; which is a much slower growing and smaller tree than the pear; yet the wood of the two unites very well. There is a close similarity of cellular structure in their woody fibre. However, each retains its individuality above and below the union. The entire root system is all quince, pure and simple, and the body, branches, foliage, flowers and fruit are all pear and nothing else; even to the peculiar characteristics of the varieties. The millions of examples of the retention of the individuality of root and top in the dwarf pear trees that are growing on quince stocks all over the world afford indisputable evidence that there is no transmission of specific or varietal individuality by grafting or budding. The same might be proved by citing the untold millions of grafted and budded trees of the apple, pear, peach, plum and many other fruits, to say nothing of ornamental trees and shrubs, that are growing everywhere. The occasional mention of freaks that occur where grafting or budding may seemingly, have caused change in the top or root, are unworthy of attention, beyond their value as mere exceptions to the rule of nature.

While varietal characters are not transmitted by grafting or budding, there is no doubt of the controlling influence of stock upon scion or scion upon stock in the matter of vigor. The case of the dwarfing of the pear by putting it on the quince, as has just been mentioned, is one of the most common and also one of the most conspicuous illustrations of this truth. The quince being a slow growing tree and one that never attains large size, the root, when used as a stock for the pear holds back the top from growing as thrifty as it naturally would. This is a matter of less nutrition rather than of nutrition of a different kind.

If the roots had been of pear they would have furnished more nourishment and the growth would have been correspondingly greater.

The top of a tree, that is more especially, the amount and character of the foliage, has much to do with the growth of the entire tree, both root and top. If the foliage is scarce and feeble the entire growth will be contracted. The foliage plays an important part in gathering the food supply from the air and digesting it. All the woody part of every tree or plant, that is, all that is consumed by fire or wasted by decay and finally turned back into the air, originally came through the foliage from the air. The part that came through the roots from the earth is the ashes that are left after burning or the fully completed decay. Hence, vigor of growth largely depends upon abundant and healthy foliage.

Taking these two parts of a tree, the root and top, together, we see that it is necessary to have them well balanced when grafted or budded together if the best results are to be obtained. There must be a healthy and vigorous top on a stock of the same character if we are to have plenty of good fruit. And it is this sort of tree that the nurseryman should aim to provide. It is not a mat-

ter of chance and is not looked upon in this way by intelligent and conscientious nurserymen. They study to combine the stocks and scions in such ways as will produce the best trees. They endeavor to properly mate them, much as the stock breeder does his animals. And it is not merely a matter of theory; for it requires experiment to determine which are best when united. For the apple the most vigorous of seedlings are used as stocks by those who grow first class trees. There are differences of opinion about the details of propagation. Some hold that budding in the nursery row, thus using one whole seedling as it grows to make each tree. Others cut up the seedlings in the house in winter-time and make them into root-grafts; in some cases getting three or more root-sections from each seedling and making as many trees after they are grown in the nursery. This is a very common practice and when the work is well done throughout good trees are the results. However, a better way to secure first class apple trees is to use four to six inches of the upper part of the root in making the grafts, and in my experience this is a better plan than to use the whole of the root; because the tip of the root very rarely grows much, the upper part, which is more highly vitalized and is in the warmer portion of the soil, starts into growth first and continues to take the lead in development.

The stocks for the stone fruits are a study in themselves. The cherries of the different classes require different stocks. The sour cherries do well on their own roots but sprout so badly that this is not a practical way to grow them. The native American cherries have been tried as stocks but do not unite with any of the cultivated classes. The mahaleb, which is a wild cherry of Europe, is the most suitable and the common stock for the sour cherries, but not for the sweet ones. The common mazzard is the proper stock for the latter. The peach, plum, apricot and almond will intergraft or interbud almost promiscuously, but it requires considerable knowledge to handle them properly.

The nut trees and their inter-grafting and budding make another problem that the theorist and practical grower has to solve, and it is by no means an easy one. The walnuts have so far been the most troublesome to propagate, but the chestnut and pecan have been brought under the hand of the propagator quite well. It is only a matter of time when all the trees that are difficult of propagation by grafting and budding will become better understood in relation to stock and scion and then they will be of much greater value to the world. The government experts and others are working with the mangrove, avocado, mango and other fruit trees that have been imported and progress is being made in the propagation of their choice varieties.

Thus we see that the whole matter of the relations of stock and scion is one of intense interest from both scientific and practical standpoints. The subject of top-working, which is a part that has not been touched is a large one and may be considered at another time.

H. E. Vandeman.

Village Brevities.

Few things are as good as they look. Every sign painter has an ambition to paint a picture.

It is always easier to do right than it is to do wrong.

Three-fourths of the things that are put off could be done at once.

There is no place where gossip, with all its malevolence, does not appear.

Liquor will improve with age, but the trouble is the average man won't let it.

It is very hard to impress people with the importance of aiding in a good cause.

Because you do not hear it, do not for a moment imagine you are not talked about.

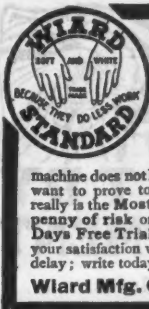
The day after school opens, the pupils will count up when it will close in the spring.

"It may be in the coming years, Perhaps within the better land, We'll read the answer to our tears, Some day! Some day we'll understand."

Then trust in God through all thy days, Fear not, for He doth hold thy hand, Though dark the night, still sing and praise, Some day! Some day we'll understand."

It is said that the best essence is obtained from the jasmine and tuberose by the enfleurage, but the orange, acacia and rose are found to give more satisfactory results by the method of maceration. To get the best odor from the violet and jonquil a joint process is used—first enfleurage and then maceration.

The old saw about clothes not making the man may be all right, but a good appearance in man or merchandise creates a favorable impression.



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A single glance at the inside construction ought to convince anyone of the superiority of the WIARD STANDARD WASHER. These rib compartments rub thoroughly, but lightly, so no fabric is injured, because the top set rotates in an opposite direction to the lower set of rib compartments. Their unique position insures a complete cleaning of clothes in a shorter space of time than by any other known operation. Just see how every part is removable so the machine does not have to be moved bodily—every feature saves your strength. We want to prove to you, personally, that the WIARD STANDARD WASHER really is the Most Rapid and Easiest Washer to Operate, and without one penny of risk on your part. We prepay Freight to your station on a Thirty Days Free Trial. You can return the Wiard Washer at our expense if your satisfaction with it is not complete. "It supplants them all." Don't delay; write today.

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Any farmer may try our guaranteed and improved

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How many dollars could you save if you owned a genuine Chatham Fanning Mill? Think for a moment what it will do.

It will grade grain so you can get a fancy price for the best.

It will take weed seed, chaff and withered kernels out of seed grain.

It will separate one kind of grain from another.

It will remove oats from wheat.

It will clean Corn, Rye, Barley, Wheat, Oats, Timothy, Clover, Millet, Flax, Rice, Peas, Beans, Kaffir Corn, Potatoes, Broom Corn, Alfalfa, Grass Seed, Cotton Seed, Alsike, Blue Grass, Red Top, Buckwheat, Hungarian, Orchard Grass, Rape, Rye Grass and everything of this kind.

And in any one of these processes a Chatham Fanning Mill will save its entire cost in short order.

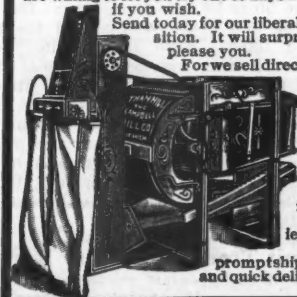
For the fanning makes every bushel of grain you raise worth more money.

You don't sow weeds if you use a Chatham Fanning Mill.

You don't get "second price" for grain if it has been fanned.

And to prove our claims to you—to convince you that Chatham Fanning Mills are the best made and will do what we say—we are willing to let you try one 30 days **FREE**, if you wish.

Send today for our liberal proposition. It will surprise and please you. For we sell direct to you and ship from one of our 20 big branch warehouses in leading cities. This means prompt shipments and quick deliveries.



And you get a Fanning Mill made by a factory that makes a specialty of high-grade mills.

You buy at a bargain price.

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Consequently we are able to give you bigger value for your money than you can get anywhere else.

The Chatham

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Over 200,000 Chatham Mills are in use. We have made them for sixty years. Today they are better than ever—absolutely modern and up-to-date.

Users everywhere will tell you our mills are the best.

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Ask for our little book "How to Make Dollars Out of Wind." It tells how a Chatham Fanning Mill will put dollars in your pocket.

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These are the most liberal ever made. You can pay after you receive the range. You can take it into your own home, use it 30 days, if you do not find it exactly as represented, the biggest bargain you ever saw, equal to stove sold at double our price, return it to us, and we will pay freight both ways.

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It gives full instructions for operating all kinds of Incubators. This chapter is remarkably complete and worth dollars to anyone using an Incubator. Gives descriptions and prices of Incubators, Brooders and all kinds of Poultry Supplies. In fact, it is an encyclopedia of chicken-dom and will be mailed to anyone on receipt of only 15 cents. Your money returned if not pleased.

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You can't tell a good incubator or a good brooder by looking at them. The only true test is in the Hatching and Raising of Chicks. The machines that Prove Best by that test are the

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Incubators and Brooders.

Made by the man who knows and backed by the J. W. Miller Co.'s guarantee to give you satisfactory results or your money back after 30, 60 or 90 days Free Trial. If you are discouraged try the Ideal—if you don't want to be discouraged try the Ideal. Send for the book "Poultry for Profit"—Free. 125 pages, illustrates and describes everything needed to raise poultry.

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never brought you greater success than will STAR Incubators & Brooders. They make poultry raising profitable, easy and certain. Sold on a guarantee that makes you safe. Free catalog tells why. Write, Star Incubator Co., 634 Church St., Bound Brook, N. J.

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Perfect in construction and action. Hatches every fertile egg. Write for catalog to-day.

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We can teach you thoroughly, successfully. Our original, personal correspondence course of instruction is interesting, practical, costs but little. A cash guide to beginners, invaluable to old poultry raisers. We teach you how to make any plot of ground, large or small, pay a sure dividend of from 25 to 50 per cent on the investment. Individual attention given each student. Write for free booklet telling how to make poultry pay. Columbia School of Poultry Culture, 103 Harvey Road, Waterville, N. Y.

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Conkey's book on Poultry Diseases sells for 25 cts. Full of information on housing, feeding, sickness, and how to care for the flock. Will help you to make money. Send 4 cents to pay postage and the names of two other poultry raisers, and we will send you a copy of this illustrated book of valuable information free.

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We will start you right in the Poultry and Egg business. By our plan you can begin in a small way and easily make \$600 a year at home, and have all the fresh eggs and poultry you want beside. Now is the time to begin, as eggs will be 40 cents a dozen soon. New illustrated plan, directions and Catalogue Free.

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will be doubled if you use the American Incubator. Reliable, simple, self regulating and ventilating. Guaranteed to hatch more and stronger chicks than any other or your money back. Backed by the world's greatest incubator factory and sold at money saving prices. Send for Free Book. A complete Poultry Guide. Address

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The Keystone Incubator—cork lined, double walls, adjustable egg trays, safety lamp, heat and ventilation under perfect control. Easy to operate. Big, healthy hatches. It's a corker every way. Catalogue free. The Dahl-Schilling Co., Box 607, Easton, Pa.

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of Standard bred poultry for 1906, printed in beautiful colors, contains fine drawings, illustrations and describes 60 varieties. Gives reasonable prices for stock and eggs, tells all about poultry, their diseases, lice, etc. This book only 10 cents.

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Poultry Notes.

Written for Green's Fruit Grower by M. L. Piper, Vermont.

Farmers who raise beans have more or less poor ones which they dispose of in various ways. I think the most profitable way is to feed them to hens. Put three quarts, or more, in a kettle, add a piece of fat meat and boil till the beans are soft. Mix a quantity with their dough and feed once a day. Hens will readily eat them clear but I usually feed them in this way.

Tarred paper is an excellent thing to keep out lice. Line your nest boxes with it and you will not be troubled with lice in nests. For killing lice and mites on roosts crude petroleum is the best thing. Put on with a rag or brush it will last many days. Kerosene is the next best thing, but will not last long. To kill lice in the walls of the hen house use warm whitewash, and put it on with a force pump and spray nozzle.

Thoroughbred Poultry.

Written for Green's Fruit Grower by J. B. Bacon, of Clifton, N. Y.

Does it pay to keep thoroughbred poultry? This question has been settled by many, but is continually raised by the average farmer who is inclined to be satisfied with a mixture of many breeds, mongrels, inferior in every way. In my opinion it does pay for any person to produce the best of everything on the farm. It will pay to grow the best apples, strawberries, raspberries, grapes, peaches, pears and plums; it will pay to raise the best poultry. In driving through the country I have noticed occasionally a flock of Barred Plymouth Rocks or Wyandottes on farms, and whenever I have seen these birds, full blooded and carefully bred, I have been favorably impressed with the farmer and his farm, considering him a progressive man. When I have seen inferior fowls on a farm my impression has been that the owner of that farm is a careless farmer and not up to date. It costs no more to feed a flock of Barred Plymouth Rocks or Wyandottes than it does to feed a lot of mongrels, and the blooded birds will lay more eggs and produce more flesh than the poorer birds.

I have in mind a farmer not far away who purchased two Barred Plymouth Rock males, all the other birds being ordinary hens. It was surprising the change made in his poultry, but it would have been far better if he had confined himself strictly to Barred Plymouth Rocks, disposing of hens of the ordinary mixed breeds. But this man has told me that he now gets two cents a pound more for the birds he sells than he got for the kind he had been raising, and the improved birds have sold earlier and quicker, costing him less for feed. Another neighbor purchased two Brown Leghorn cockerels and he told me that in two years he increased the production of eggs fifty per cent. from this flock. So you see it pays to use thoroughbred cockerels even with common hens, but it pays better to have thoroughbred birds of both sex.

Fruit Trees for Poultry Runs.

One of the greatest mistakes that the beginner in poultry keeping can make is to prepare a range for his birds barren of all shade. Fowls delight, and it is in fact their nature, to have access to woodland or underbrush where they can dig around the roots and devour the countless worms thus found, at the same time escaping from the direct rays of the sun during the intense heat of the summer, says the "Epitomist." It would hardly pay to provide such shelter unless it were likely to yield some degree of profit in addition to benefiting the hens; certainly not on valuable lands. Hence, the advisability of selecting proper varieties of fruit trees and planting them in the poultry runs. Fowls and the right kind of fruits do well together, one being capable of netting nearly as much money as the other, and every acre of poultry land not occupied by fruit trees is to a certain extent wasted or failing to produce all that it should. Provided the soil and the location are suitable, pear, plum, cherry and apple trees may alike be planted in the poultry run. When first planted, the run should be sown with bluegrass and clover, as these will add greatly to the fertility of the

Mrs. Lowry tells the way She made \$223.28 on Chickens

SURE HATCH INCUBATOR CO., Clay Center, Neb.
Gentlemen:—I own two of your 100 egg machines. Have had good success. I raised 674 chicks out of 656 fertile eggs. Sold the last week ago, 50 chickens. Have made \$223.28. I call this good. Early broilers are the birds that bring in the gold. I used "Sure Hatch" Chick Feed and found it a grand food for the little chicks.

Mrs. G. W. Lowry, West Salem, Ohio.

HOW'S that for a woman?

You can do the same, if you get a Sure Hatch Incubator.

Now don't take our say so for this, but let us prove it to you.

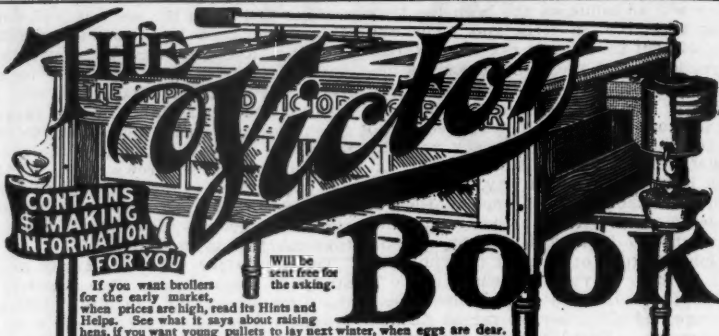
Send for our big 100-page FREE Catalog, select the incubator that suits you best and let us ship it to you on 60 days' trial.

We will pay the freight and let you use the incubator two months at our risk. If it isn't all we claim, send it back at our expense and you are out nothing.

Our big FREE Catalog tells why. It is full of facts worth dollars to every poultry raiser. It contains Poultry House Plans and illustrations, data on hatching and feeding, and valuable suggestions about raising and marketing poultry. It's information will put more money in your pocket. Send for it today.

A postcard bearing your name and address brings it with prices from \$7.50 to \$17.50 on Sure Hatch Incubators and brooders holding from 75 to 200 eggs at a time.

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Thousands of customers regularly get 90 and 95 per cent hatches from our machines, using no more eggs and oil than their neighbors who with other machines get 50 to 80 per cent. We pay freight and guarantee our machines as represented or money refunded. Established 1887.

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Ordinary incubators are discouraging lots of good poultry people. All are nearly alike, all wrong in principle. There's just one incubator that's different from all others, it is the

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Based on the hen. The actual, living hen guides and controls all operations. Mother hen setting and hatching instinct, actual hens at work from first to last. Insures everybody's success. 200 Egg Size Costs Only \$3.00. Agents wanted. Write for it today. Catalogue Free. Address, Natural Hen Incubator Co., Box 75, Columbus, Nebraska.

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The Barred Plymouth Rock is the Bird for Business. It is called "The Farmer's Friend" and will stand the confinement of the city henry. Lays a large egg, or makes a big dinner. It is the all round bird.

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The White Wyandotte is a Thing of Beauty, and pays well. It is a delicacy on the table and a good layer. The White Wyandotte is a great favorite in market and home.

WHITE PLYMOUTH ROCK.

The White Plymouth Rock has the beauty of the Wyandotte and the business qualities of the Barred Rock, and is considered by many to be a most desirable bird for all purposes.

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The Leghorns are Layers—The Queen of the laying breeds. They are light eaters, good foragers, and spend no time in setting. She pays because she lays.

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PRICE OF BIRDS OF ALL BREEDS: Cockerels, \$2.00, \$3.00, and \$5.00 each; Pullets, \$2.00, \$3.00, and \$5.00 each; Trips, \$5.00, \$8.00, and \$10.00. We ship no cull birds. The lowest priced birds offered are standard bred, practically as good for breeding purposes as the higher priced birds. The \$5.00 birds offered are the pick from the flock containing the largest percentage of standard points and therefore commanding a higher price since it makes them eligible for show purposes.

PRICE OF EGGS FOR HATCHING FOR ALL BREEDS: From good breeding pairs best breeding pairs, \$2.00 per 13. While we do not guarantee the fertility of our eggs we are willing to replace all settings from which the purchasers receive less than six chicks, at half the price paid.

GREEN'S NURSERY COMPANY,
ROCHESTER, N. Y.

soil, and until the trees have become well established, they should be surrounded by a fence of chicken wire. After that the fowls will do no harm to the roots—not even if the soil around and between the trees is stirred up and cultivated, as it should be, so that they can scratch and wallow in it. Indeed, poultry will in this way keep down insect pests, such as borers, grubs, caterpillars, worms and the like, by eating them up as fast as they appear; moreover, when the fruits have grown sufficiently so that the rotten and wormy ones begin to fall off, and the worms that are in them grow and multiply on the ground, they will take care of these, and the fruit as well as the worms be good for them. The trees, on the other hand, will afford the poultry excellent shade during the heat of the summer and, all in all, the two will thrive together in a marvelous manner.

Points From an Egg-Laying Contest.

The latest egg-laying contest is that just concluded at the Kansas Experiment Station. The leading breeds were represented, each with a pen of a male and six pullets. The methods were those ordinarily employed, the idea being to bring out comparative results such as might be obtained by an experienced poultryman. The usual mixtures of grain and soft feed were given, also vegetable food, oyster shells, grit, and meat meal, but no fresh meat, pepper, patent foods, or other stimulants. During the twelve months of the contest the pen of White Leghorns laid 885 eggs; the Rose Comb White Leghorns laid 828, laying, however, a larger proportion of their eggs in the winter than the single comb pen. The American Reds laid 820 eggs and showed the best winter egg record. The White Wyandottes laid 799, the Buff Wyandottes, 764, Barred Plymouth Rocks 619. Light Brahmas 539. The Plymouth Rocks were not fairly represented, the females being yearlings while those of the other breeds were pullets. The Brahmas were, as usual, slow in developing, but continued to lay well except in the spring. Probably for a longer time their relative showing would have been better.

How Feathers Are Used.

Every large city has several factories which do nothing but prepare feathers for household use, after buying them from the wholesalers, says Reliable Poultry "Journal." The tail and wing feathers of turkeys are used mostly in making dusters, and peacock feathers are employed, as also are many turkey feathers, in making screens for fireplaces etc. Feather boas, which are costly, are made from white chicken feathers curled with hot irons. Pillows are turned out by the thousand. White chicken wing and tail feathers and many white turkey feathers are curled or left straight, dyed any color or combination of colors desired and sold to milliners. Thousands of pounds of poultry feathers are glued or wired on small bases and made into wings or imitations of wings and colored to resemble the brilliant wing of the oriole or the sombre ones of the blackbird. Even whole birds are made

from chicken feathers, to permit the observance of the laws of certain states against the killing of birds of which the "make up" objects are imitations.

Other uses of feathers are for muffs, fans and featherbone. The latter is made from the stiff ribs of turkey feathers and used as dress and corset stays. For decorative purposes the demand for peacock feathers is so great that there are three farms near Chicago which have scores of gaudily plumaged fowls, contracting in advance for the sale of all their tail adornment.

"Pa," asked Johnny, "what's a happy medium?"

"One who has a brisk business at \$3 per seance ought to be happy, my son."—Louisville "Courier-Journal."

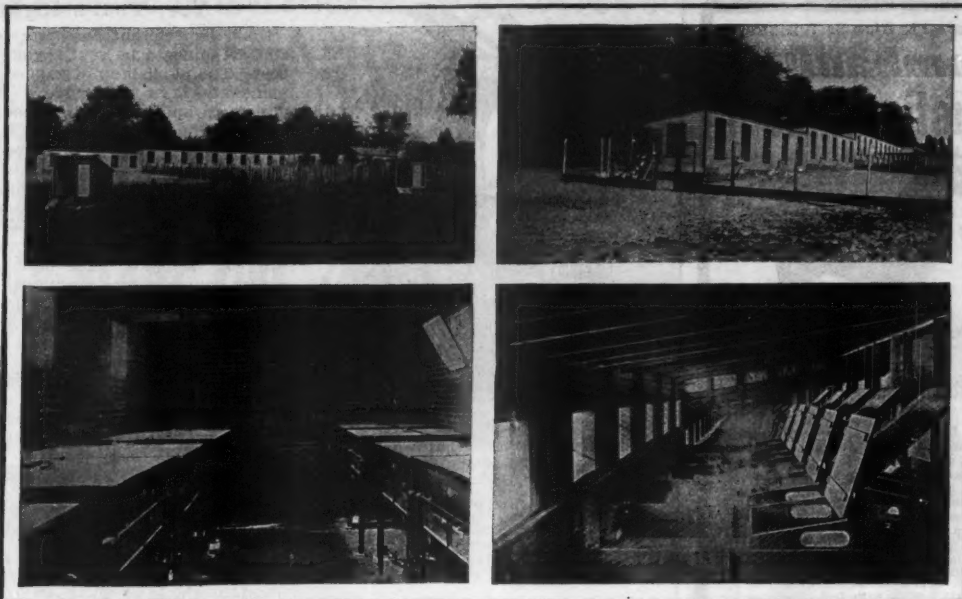
Gathering Eggs.—And now we have a thrilling sight. For one of the egg-gatherers is going to descend. Tall, brown, bearded, with big helmet to save his head from loosened stones, he is let down at the end of a rope, and walks backwards down the rough perpendicular cliff. At each step he bounces himself away from the rock, sometimes ten yards or so, and yet he always manages to swing back on the other foot. As he descends showers of birds fall off the cliff, for the guillemot turns a backward somersault into the air, when he wants to fly. It is a fearful sight to see that man swinging lower and lower till he gets no bigger than a bird, swinging to a ledge, picking up a few eggs, and putting them into the satchel on his back, and always managing to approach those jagged rocks feet foremost. At last he jerks the rope and begins to walk upward, bringing enough eggs to fill a large market basket. And after this desperate adventure one egg in five goes to the landowner for rent.

Money can be lost in more ways than won.—Philadelphia "Record."

Poultry and Dairy Experience.

Editor of Green's Fruit Grower: About four years ago H. R. Brigham, of New York, bought a 160 acre farm, one-quarter of it bordering on the creek. The name of the farm is "Glenhurst," and it is noted for its fine production of a fine dairy herd of Jersey Holstein and Guernsey cows, also flocks of poultry. He bought the farm as an experiment as at that time many business men had a strong liking for something to occupy their minds outside of their general business pursuits. Mr. Brigham's sole ambition has been to run a dairy and chicken farm on a paying basis. To see the farm at the present time a stranger would likely ask "what village is that lying along the Esopus creek," owing to the number of houses and buildings in plain view. There are four separate sheds for the storing of machinery and wagons, a large barn and another separate barn, a fifty foot hog-pen with skylights, an ice-house with a capacity of 200 tons of ice, an office, two large dairy rooms in one building and a cooler room for the milk, the farm house and his summer cottage on the bank of the creek, a double dwelling house occupied by two of his workmen and their families, two separate cottages occupied by his workmen and their families, a large building containing a gasoline engine that can run a grist mill, a corn sheller, grindstone, wood saw and one of Mann's largest bone cutters which is capable of grinding one bushel of bones in ten min-

IMPROVED POULTRY HOUSES.



utes; a chicken house nearly 500 feet long and another one 100 feet; a number of small colony houses for young chickens, a house used as a hospital for disabled chickens, a two-story brick incubator house containing a number of machines with a capacity of 300 eggs each; two separate cyloes capable of holding 180 tons of cut cornstalks; a two-story pigeon house containing about 300 pigeons; a separate building for the storing of many tons of feed, also a house covering a reservoir and a house for an engine to run a pump which furnishes water from a hundred foot drive well when there is no wind to run the windmill.

The dairy furnishes about 300 quarts of milk daily. The milk is delivered to customers residing in Kingston, at six cents per quart. The poultry business is increasing. About 3,000 chickens are now housed on the farm. The following breeds are kept for broilers and egg production: White Wyandottes, Barred Rocks, Rhode Island Reds, White Single Comb Leghorns, Buff Leghorns, Black Minorcas. The chicken houses and cattle sheds, except in the winter, contain fresh running water for the chickens and cows to drink at all times, furnished by the reservoir situated at a high elevation.—C. E. Nichols, N. Y.

Poultry Experience.

Editor Green's Fruit Grower:—Before leaving home at Shreveport, we broke a hen's egg of ordinary size and found inside of the egg, a perfectly formed egg about one-quarter the size of the larger one. Shell was hard and perfect, but no yolk; the larger egg had the yolk and was perfect in every way except that it contained this smaller egg—is not this an unusual occurrence?

Cyrus S. Steere, La.

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64 Var. Poultry, Pigeons, Hares, 20 eggs \$1.00. Stock for sale, desc. cat. free. H. D. BORTH, Box R. Franconia, Pa.

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\$1. PER MONTH to \$1. per month runs any incubator. Rent pays for it. We pay the freight. **40 Days Trial** at same prices. Buy plans and parts and build one. Prices ready to use \$9 egg \$6.00, 100 egg \$6; 300 egg \$12.75. Brooders, \$3.50 up. Guaranteed. Catalog free. **BUCKEYE INCUBATOR CO., Box 52, Springfield, O.**

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W. W. SHAMPANORE,
Box C, Little Silver, N. J.

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Tried, proven under all conditions. They'll hatch the most stubborn chicks for you. Take no chances. Get Successful Incubators and Brooders and make failure impossible. Incubator and Poultry Catalog Free. Booklet, "Proper Care and Feeding Small Chicks," 16c. poultry paper one year, 10c.
Des Moines Incubator Co., Dep. 19, Des Moines, Ia.

THE 1906 RELIABLE
In all the wide field of incubator making, you'll find no better hatcher than this year's Reliable Incubator. Scientifically made, simple in operation, perfectly even temperature, no draughts, no hot spots; uses ONE-THIRD LESS OIL, has double heating system and AUTOMATIC regulation, and is sold on an absolute MONEY-BACK GUARANTEE. No other incubator offered on such liberal terms. W. H. McCLANAHAN, Columbus, Miss., says, "The machine bought from you gave perfect satisfaction."—Free catalog explains all. Eggs for hatching shipped anywhere.
RELIABLE INCUBATOR & BROODER CO., Box B-48, Quincy, Ill. U. S. A.

IF YOU WANT EGGS
Lots of them, feed green bone fresh cut, rich in protein and all other egg elements. Get twice the eggs, more fertile eggs, vigorous chicks, earlier broilers, heavier fowls, bigger profits.
MANN'S LATEST MODEL BONE CUTTER 10 Days Free Trial. No money in advance. Makes bone cutting simple, easy and rapid. Try it and see. Open hopper, automatic feed. Cuts all bones with adhering meat and gristle. Never clogs. Don't buy until you try it. Cat'g free.
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CYPHERS INCUBATOR CO., Buffalo, Boston, Chicago, New York, Kansas City or San Francisco.

Page Poultry Fence Costs Less
erected than common netting; fences poultry in and stock out; requires no boards and but few posts; never sags, bags, or buckles, and outlasts the posts. Complete description and prices furnished on request. Write today.
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Caustic Balsam****Has Imitators But No Competitors.**

A Safe, Speedy and Positive Cure for
Curb, Splint, Sweeney, Capped Hock,
Strained Tendons, Founder, Wind
Puffs, and all lamenesses from Spavin,
Ringbone and other bony tumors.
Cures all skin diseases or Parasites
Thrush, Diphtheria. Removes all
Bunches from Horses or Cattle.

As a Human Remedy for Rheumatism,
Sprains, Sore Throat, etc., it is invaluable.
Every bottle of Caustic Balsam sold is
Warranted to give satisfaction. Price \$1.50
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its use. If you send for descriptive circulars,
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Write today to find out
how to secure a HURST
"FREE" SPRAY-
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barrels and tanks. Sprays
all solutions, has bronze
valves, brass cylinder and
plunger, strainer cleaner
and three agitators. More
economical, and easier
to operate than any
other sprayer on
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(\$5.00 to \$100.00). Sent on ten days' trial.
(Sold at wholesale prices where no agent.)

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FENCE**

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Grape Vines

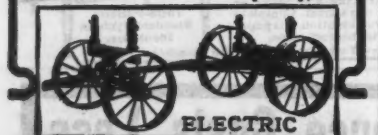
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Small Fruits. Catalogue free.
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ments and testimonials from thousands. First order secure agency
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**"Ol' Nutmeg's" Sayings.**

Written for Green's Fruit Grower by
Joe Cone.

"Cheer-up" is the pass word tew good,
ol' age.

"Ev'rybuddy believes what he sees in
the lookin' glass.

Haow kin a hoss feel his oats when he
don't git 'em?

The man behind the hoe ain't neces-
sarily behind the times.

They's lots uv pussons who never went
eout skunkin' a secunt time.

Them ez dance hev tew pay the fiddler
unless they hap'n tew hev a phonygraf.

They's a lot uv people besides farmers
who find it purty hard sleddin'.

They's money in a farm, but like an
ore vein, it's got tew be dug eout by
somebuddy.

They's one good thing abaout the man
on the fence—he gits the 'tention uv the
crowd on both sides.

Some men invest in copper stocks when
their wives want a copper b'ller an' can't
git it.

The felier who never makes a mistake
ain't be'n born yit, an' he never will be.

Some men wear their welcome eout an'
the seat uv their pants at the same time.

They's music in ev'ry saoun' uv Natur'
ef humanity on'y hed a good ear.

Hens will fare better ef yew let 'em
run, but yewr neighbor's garden will fare
wuss.

Some people are allus glad tew take
things ez they come ef they hap'n tew
suit 'em.

Some men will tell yew that they feed
their hosses scant so they won't hev gin-
ger enoug in 'em tew run away.

It's bad enoug tew keep dead faowas
in col' storage but be keeful not tew
keep live ones there.

It would be interestin' tew know jest
what a cat thinks when she gits up a
tree abaout six inches ahead uv the
dorg.

It takes some men so long tew find
eout what their aim is thet the bulls-eye
falls daown an' the grass grows over it.

Farmers should stop tryin' tew put salt
on the tails uv minin' schemes an' put
it where the annermuls kin git a lick
at it.

Children like tew play with fire an'
don't know no better. Growned-up people
like tew play with fire an' dew know bet-
ter an' still they dew.

Onions may keep a sartin young man
frum comin' raoun' evenin's, but they
help make the young lady look all the
purtier an' healthier fur the next one
thet comes erlong.

Some people are foolish enoug tew
wonder ef the great Lincoln would hev
be'n preserdent ef he hed be'n born in
the days uv barbedwire instid uv fence
rails.

A brass band is all right in its place,
but people don't want'er hear one all the
time, 'specially when it's dewin' all its
playin' fur one individyul.

The maid whose manners are retired,
Who patient waits to be admired,
'Though overlooked, perhaps awhile
Her modest worth, her gentle smile—
Yet she shall find, or soon or late,
A noble, fond and faithful mate.

Yes, That's Right.

Don't expect that any paper or maga-
zine is going to be sent you without
cost. The publishing of papers and maga-
zines is most expensive. Publishers
are at an outlay of many thousand dol-
lars each month, and they must have
money from subscribers to pay for the
paper used, for printer's bills, and for
the office work of perhaps 50 to 100 clerks.
Publications are often continued until
the subscriber orders them stopped, but
if they are continued it is expected the
bill will be paid. The best plan is to
renew subscriptions annually. If you
do not want the publication instruct the
publishers to stop it, but do not ask
that it be stopped until you have paid
subscription dues for the months or
years that it has not been paid for. It
is a common law, existing in every state
that any person or persons receiving any
article or articles, and making use of
same, is liable for payment.

If you move away it is your duty to
so notify the publisher.

Hard Luck of an Editor.

Editing a newspaper is a nice thing.
If we publish jokes people say we are
rattle-brained; if we don't, we are fos-
sils. If we publish original matter they
say we do not give them enough selec-
tions, if we give them selections they
say we are too lazy to write. If we don't
go to church we are heathens; if we do
we are hypocrites. If we remain at the
office we ought to be out looking for
news items; if we go out then we are
not attending to business. If we wear
old clothes they laugh at us; if we wear
good clothes they say we have a pull.
Now, what are we to do? Just as likely
as not some one will say that we stole
this from an exchange. So we did. It's
from the Wyoming "Derrick."

Beauty.—The most successful beauties
are those who do not eat a great deal
at a dinner party. They take a bite of
this and taste of that, but nothing more.
They do not pretend to do more than
taste all the dishes, and they are re-
warded for their abstemiousness by the
brilliant complexion, the clear eyes and
the sharp wits of the woman who is at
peace with her stomach.

Indigestion is a foe to all things. If
the stomach is ill at ease, there is no
peace anywhere in the system, from the
brains, which are dull, to the feet, which
are heavy.

Great beauties eat very little, and
what they do eat is of the simplest and
most nourishing sort. While they never
refuse delicacies, they do not eat
heartily of them, reserving the appetite
for the simpler and more nourishing vi-
ands.

Rich Farmers.—Secretary Wilson's an-
nual report estimates that the products
of the farms of the United States in 1905
reached a value of \$6,415,000,000—an un-
equaled yield in the Nation's history.,
say Long & Critchfield.

Moreover, this is not a sudden spurt
of prosperity. The value of the farms of
the country has registered—for five years
—an increase of \$3,400,000 per day. This
long period of prosperity has enabled the
farmer to pay his debts, to lift his mor-
gages and to stuff his local banks with
money. Now he is spending his six bil-
lion dollars for the good things of life.

V. K. Strode has at his residence, No.
867 Kelly street, in South Portland, what
is probably the oldest and largest rose
tree in the state and perhaps in the
Northwest, says Portland Oregonian.

The tree stands 11 feet 3 inches in
height, has a spread across its boughs
of 10 feet 10 inches and measures 10 1-2
inches around the trunk below the first
branch. The first bough is 3 feet 6 inches
from the ground and the tree is 17
years or more of age, having been plant-
ed in its present position for more than
fifteen years.

Joseph Harris.—Readers of Green's
Fruit Grower are familiar with the
name of Joseph Harris, who was for many
years the foremost writer on horticultu-
ral and farming topics. The Joseph
Harris Seed Co., at Coldwater, N. Y.,
near Rochester, is well and favorably
known throughout the country for re-
liable seeds and careful business meth-
ods. An interesting and beautifully il-
lustrated catalogue is sent free on ap-
plication.

He Passed.—In one of the examinations
for admission to the New York bar the
question was asked: "What is essential
to constitute a valid marriage in New
York?" One of the aspirants answered:
"The parties must be of opposite sexes."
—Law Notes.

Madge—"Are you sure the Russian
count was intoxicated."

Marjorie—"Positive. He couldn't pro-
nounce his own name."—Town Topics.

SOME UP TO DATE FASHIONS.

For the convenience of the ladies in
the homes of our subscribers we have
made arrangements with one of the larg-
est and most responsible manufacturers
of patterns to offer some of their rela-
ble patterns at the nominal price of 10c
each. We have tested these patterns
and take pleasure in recommending
them to our readers.

5218—The quantity of material required for
the medium size is 4 yards 21, 3 1-4 yards
27 or 2 yards 44 inches wide.



5218 Tucked Shirt
Waist, 32 to 40 bust.



5172 Shirred Blouse
32 to 40 bust.

5172—The quantity of material required for
the medium size is 4 1-2 yards 21, 3 3-4 yards
27 or 2 1-2 yards 44 inches wide with 4 yards
of insertion and 1-2 yard of all-over ma-
terial for chemisette.

5235—The quantity of material required for
the medium size (14 years) is 3 5-8 yards 21,
2 3-4 yards 27 or 1 3-4 yards 44 inches wide
with 1 yard of all-over net to make as
illustrated.



**5235 Misses' Box
Plaited Blouse**
12 to 16 yrs.



5200 Five Gored Skirt
22 to 30 waist.

5200—The quantity of material required for
the medium size is 8 yards 27, 4 1-2 yards 44
or 4 yards 52 inches wide.

5207—The quantity of material required for
the medium size (14 years) is 4 1-4 yards 27,
2 3-4 yards 44 or 2 1-4 yards 52 inches wide.



**5207 Misses' Circular
Skirt**
12 to 16 yrs.



5176 Girl's Dress
8 to 14 years.

5176—The quantity of material required for
the medium size (12 years) is 6 yards 27,
4 1-2 yards 32 or 3 1-2 yards 44 inches wide with
1 yard 44 inches wide for chemisette and
trimming.

5205—The quantity of material required for
the medium size (12 years) is 7 1-4 yards 21,
5 1-2 yards 27 or 3 3-4 yards 44 inches wide
with 3-4 yards of all-over lace and 7 1-2
yards of edging to make as illustrated; 3
yards additional 21, 2 1-2 yards 27 or 1 1-2
yards 44 inches wide if bertha and frill are
of the material.



**5205 Girl's Shirred
Princess Dress**
8 to 14 years.



5211 Boy's Bath Robe
6 to 14 yrs.

5211—The quantity of material required for
the medium size (10 years) is 4 1-2 yards 27,
2 7-8 yards 44 or 2 5-8 yards 50 inches wide.

To get BUST measure put the tape
measure ALL of the way around the
body, over the dress close under the
arms.

Order patterns by numbers, and give
size in inches. Send all orders to
GREEN'S FRUIT GROWER, Roches-
ter, N. Y.

Edith—"When I accepted Jack he said
he was in the seventh heaven!"

Ethel—"Quite likely; he been engaged
to six other girls this season!"—Jest-
er.

FASHIONS.
The ladies in
the large-
manufacturers
their rela-
price of 10c
se patterns
commending

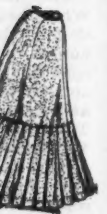
required for
3 1-4 yards



required for
40 bust.

required for
1, 3 3-4 yards
with 4 yards
all-over ma-

required for
5-8 yards 21,
inches wide
to make as



required for
30 waist.

required for
1-2 yards 44

required for
1-4 yards 27,
inches wide.



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14 yards.

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6 yards 27,
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4 yrs.

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1-2 yards 27,
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engaged
!"—Test-

Love—is love a necessity for women? It certainly is; it is only after true love comes to the fore that a female really lives; before its appearance she exists; after love's tender beams strike her path she is transformed, and not she alone; everything, to her, takes on a more beautiful appearance; the most sordid things of life become brighter. There are women who scoff and sneer at love outwardly, but little heed is paid to them; anyone possessing common sense knows that they are merely cloaking their inward feelings; they try to deceive themselves, that is the short and the long of it.

Take the average girl; what does love conjure up to her? Let her just think of the day when she will fall in love and be loved, and she, in fancy, sees a home of her own; a husband, who treasures her, and, very likely, children who adore her, and what is the result? Her life is made brighter by the thoughts; she is spurred on; she is always looking forward to a certain happy time; the very thought of love, in fact, is necessary for her, so what of the reality?

Yes, I can say, with absolute certainty, that love is a necessity for women; the world is a cold cheerless place for the unhappy woman who has never known what true love really is.

Love ought to play a most important part in the lives of women; it, in fact, should be the chief end of their existence, but, alas! it is not; it used to be but the time is almost past for that; love is, nowadays, and I say it with sorrow, a secondary consideration, says the "Gentlewoman."

The hurry and bustle of the world, higher education, business training—all these have had a hand in relegating love to a back seat; women, or at any rate a large number of women, in these days aim rather at distinction; ambition spurs them on; they are not content to settle down and lead a peaceful, if uneventful married life; they clamor for excitement; they want amusement; they refuse to be tied down to a round of domestic duties, they have, in a word, revolted against the old and homely, and be it said, correct rule, which ordained that matrimony be all of life, so far as woman is concerned.

Now, do women benefit by the change? Suppose a woman gains fame, with perhaps fortune thrown in, is that enough? Will she be thoroughly satisfied? She will—to the outsider who cannot read the secrets of the heart; but deep down there is a consciousness that something is wanting, the natural instinct has been thwarted, and the woman knows it; instinct, in truth, clamors for something withheld.

The late Secretary of State John Hay was fond of telling a story of a king who once upon a time fell into a state of deep melancholia.

Court physicians could do nothing for him and were in despair, when a certain very wise man bethought himself of the well known cure of sleeping in the shirt of a perfectly happy man over night.

So couriers were despatched everywhere in search of the shirt of a perfectly happy man. One by one they returned from their fruitless search throughout the vast kingdom. At last one courier remained out, and he, too, began to despair of finding the shirt of a perfectly happy man. It was just about twilight, and he was riding over a village green, when he was attracted by the careless laughter of a disreputable beggar who was stretched full length upon the sward.

"Are you a perfectly happy man?" demanded the courier, reining in his horse.

"You bet!" said the beggar.

"A thousand crowns for the loan of your shirt."

"But I ain't got none," replied the beggar.

Many men pay \$60 a dozen for their shirts, but they are not happy. To-day I saw some beautiful Fourth of July shirtings, marked down from \$8 apiece to \$6.98, and yet I am happy.—Walter Beverly Crane in New York "Herald."

Guard Against Disaster.—"O! Nutmeg," in "Green's Fruit Grower," says: "They wouldn't be so many runaways and spillouts on the road tew prosperity ef people would only keep within the speed limit."

There is a whole sermon in those few lines for the beginner in poultry keeping. The poultry editors come in for a good deal of unjust criticism at the hands of a certain class because they advise the beginner to go slow and grow up with the business, and advise others who have a trade to stick to it, rather than go into the poultry business handicapped both in money and experience. —"New York Tribune."

Celery is an acknowledged nerve tonic, and is more and more used in medical prescriptions.

Onions are also a tonic for the nerves, but people will be forever prejudiced because of their odor.

COSTS NOTHING TO INVESTIGATE. WRITE US FOR OUR PROPOSITION ANYWAY. \$20 TO \$35 AND EXPENSES WEEKLY. NO EXPERIENCE REQUIRED. - - - NO CAPITAL

\$1000 to \$1500 Annual Income

FOR BOTH MEN AND WOMEN

LET US START YOU WRITE TO-DAY.

Big Profits.



DON'T BE HARD UP.

New, Quick Process



SHOP OUTFIT FOR GOLD, SILVER AND NICKEL PLATING.

We Manufacture Complete Outfits. All sizes.

TRAVELING OUTFIT FOR GOLD, SILVER AND NICKEL PLATING.

No Humbug, Fake or Toy Proposition.

An Honest, Legitimate Enterprise, Backed By An Old, Reliable, Responsible Firm, Capital \$100,000.

WHAT IS THE USE OF YOUR SLAVING LONGER FOR SOME ONE ELSE.

Why not start a business for yourself, reap all the profits and get a standing in your locality.

If you are in some one's employ, remember he will not continue to pay you a salary only so long as he can make profit out of your labor.

In this era every bright man and woman is looking to own a business, to employ help, and to make money.

It is just as easy to make money for yourself as it is to coin money for some grasping employer, who pays you a small salary each week.

If you are making less than \$30 weekly it will pay you to read this announcement, for it will not appear again in this paper.

If you read it and take advantage of the opportunity offered, you will never regret it. To own a business yourself is certainly your ambition.

We start you in a profitable business. Teach you absolutely free how to conduct it.

To show you what others have done, we quote the expressions of a few who have made money in the plating business:

"MR. REED MADE \$88.16 THE FIRST 3 DAYS." Mr. Cox writes: "Get all I can do. Elegant business. Customers happy." Dave Crawford writes: "The first week I had my outfit I made \$42.75." E. D. Waterbury writes: "Am 60 years old. Just completed job 1800 pieces tableware. I clear about \$6.00 a day profit."

Gentlemen and ladies positively make \$5 to \$15 a day at home or traveling, taking orders, using, selling and appointing agents for PROF. GRAY'S Latest Improved, Guaranteed Plating Machines and Outfits. NO FAKE OR TOYS, but genuine, practical, complete, scientific outfits for doing the finest of plating on WATCHES, JEWELRY, KNIVES, FORKS, SPOONS, CASTORS, TABLEWARE OF ALL KINDS, BICYCLES, SEWING MACHINES, SWORDS, REVOLVERS, HARNESS AND BUGGY TRIMMINGS, metal specialties; in fact all kinds of metal goods. HEAVY THICK PLATE EVERY TIME. GUARANTEED TO WEAR FOR YEARS. No experience necessary.

There is really a wonderful demand for replating. You can do business at nearly every house, store, office or factory. Almost every family has from \$2 to \$10 worth of tableware to be plated, besides watches, jewelry, bicycles, etc. Every boarding house, hotel, restaurant, college or public institution has from \$5 to \$75 worth of work to be plated. Every jeweler, repair or bicycle shop, every dentist, doctor and surgeon, every man, woman and child you meet has either a watch, some jewelry, bicycles, instruments, or some articles needing plating.

Besides the above there are hundreds of patentees and manufacturers of metal goods, bicycles, sewing machines and typewriter repair shops who want their goods plated, or to whom you can sell a plating outfit, furnishing them supplies for doing their own plating.

Retail Stores who handle hardware, harness, tableware and plated or metal goods all need a plating and polishing outfit for refinishing goods that become worn, soiled, rusty or tarnished.

Every Undertaker requires a plating outfit for repairing and finishing coffin and hearse trimmings which are soiled, tarnished or worn.

Manufacturers are making and selling tons of new tableware, jewelry, bicycles and various kinds of metal goods every month which has only a very thin plate, which, in a few weeks, wears off, making the goods unsightly, unfit for future use unless plated.

Manufacturers of new goods do no replating on old goods whatever, but try to force the public to throw away the old and buy new at high prices, but this only makes the plating business better.

The more new thinly plated goods sold the greater will be the demand for plating. Plate some articles for your friends and neighbors by Professor Gray's Process, and it quickly proves to them its genuineness and merit and that your plating is much thicker, will wear better and longer than a large percentage of the new goods.

Your trade is then established, and within a short time you will have all the goods you can plate.

Plate a few articles for your friends, call a few weeks, a few months, or five years later, and you will find the plate satisfactory, and they will give you every article they have needing to be plated.

When you deliver the goods plated to customers they will be well pleased, in fact, delighted with the work, will pay for it promptly, and you will be given on an average twice as much work to be plated as they gave you the first time you called.

YOU CAN DO PLATING SO CHEAP

that every person can afford to have their goods plated.

No tidy housekeeper will allow worn and rusty tableware to go before a guest when it can be restored and made equal to new.

No person will wear jewelry or a watch, or ride a bicycle, or use a typewriter, sewing machine, or any machine made of metal from which the plate is worn off when they see samples of your work and hear your prices. People in this day and generation are too sensible and economical to throw away their old goods and buy new when they can have their old goods replated for so small a cost, making them, in many cases, better than when new.

The best part of the plating business is that it increases fast and is permanent.

Put out your sign, secure your outfit, do a little work, and quickly you will be favored with orders. If you do not wish to do the plating yourself you can hire boys for \$3 or \$4 a week to do the work the same as we do, and solicitors to gather up goods to be plated on commission.

It is not hard work, but is pleasant, and especially so when your business is netting you \$20 to \$35 a week for 5 or 6 hours' work a day.

This is only a minimum income which may

be earned by any one who is not lazy; hustlers should make \$100 weekly.

TREMENDOUS PROFITS.

The profits realized from plating are tremendous.

To plate a set of teaspoons requires only about 2c. worth of metal and chemicals; a set of knives, forks or tablespoons about 3c. worth. The balance of the price received for the work is for the agent's time and profit.

Agents usually charge from 25c. to 50c. per set for plating teaspoons, from 50c. to 75c. for tablespoons and forks, and from 60c. to \$1.00 for knives.

We allow you to set your own price for plating. Get as much as you can. You will have no competition. You know what it costs to plate the goods, and all you get over cost is profit. Some agents charge much more than the above prices, while others do the work for half and still make plenty of money.

Let us start you in business for yourself at once, don't delay a single day. Be your own boss. Be a money maker. We do all kinds of plating ourselves, Gold, Silver, Nickel, Bronze, Brass, Tin and Copper, have had years of experience, and are headquarters for plating supplies. We manufacture our own dynamos and outfits, all sizes, and send them out complete, with all tools, lathes, wheels and materials; everything ready for use.

We teach you everything, furnish all receipts, formulas and trade secrets free, so that failure should be impossible, and any one who follows our directions and teachings can do fine plating with a little practice, and become a money maker.

THE ROYAL OUTFIT.

Prof. Gray's Famous Discovery.

THE NEW DIPPING PROCESS is the latest, quickest, easiest method known. Tableware plated by dipping, taken out instantly, with a fine, brilliant, beautiful surface. All ready to deliver to customers. THICK PLATE EVERY TIME. WEARS 5 TO 10 YEARS. A BOY PLATES 100 to 300 pieces tableware daily, from \$10 to \$30 worth of work, profits almost 1000 per cent. Goods come out finely finished. No polishing, grinding or work necessary, neither before or after plating.

You will not need to canvas. Agents write they have all the goods they can plate. People bring it for miles around. You can hire boys cheap to do your plating, the same as we do, and solicitors to gather work for a small per cent. Put a small advertisement or two in your local paper and you will have all the plating you can do. The plating business is honest and legitimate. Plating on our machines gives perfect satisfaction. Wears for years; customers are always delighted and recommend you and your work.

We are an old established firm, have been in business for years, know exactly what is required, furnish complete outfits, the same as we ourselves use, and customers always have the benefit of our experience. We are responsible and guarantee everything. Reader, here is a chance of a lifetime to go in business for yourself. We start you. Now is the time to make money.

FREE—WRITE US TO-DAY

for our new plan and proposition; also valuable information how the plating is done. Sit down and write now, so we can start you without delay. If you wish to see a sample of plating by our Outfits, send 2c. postage. Send your address anyway.

GRAY & CO., Plating Works,

715 Miami Building, CINCINNATI, OHIO.

The above firm is thoroughly reliable and do just as they agree. The outfits are just as represented, and do fine plating, and after investigation we consider this one of the best paying businesses we have yet heard of.



A low wagon at a low price. Handy for the farmer. Will carry a load anywhere a horse can travel.

Low Down Wagons

soon earn their cost on any farm.

Steel Wheels

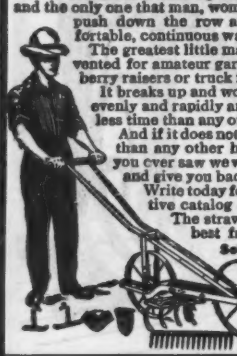
for farm wagons. Straight or staggered spokes. Any size wanted, any width of tire. Hubs to fit any axle. For catalogue and prices, write to Empire Mfg. Co., Box 4 H Quincy, Ill.

Lou Dillon Tandem Garden Cultivator

You can cultivate either between or astride the rows and you can change for any width row from 8 to 16 inches or from a fractional part of an inch to 4 inches in depth by one simple movement without tools and in a moment's time. It is the easiest running cultivator made and the only one that man, woman or boy can push down the row at an easy, comfortable, continuous walk.

The greatest little machine ever invented for amateur gardeners, strawberry raisers or truck farmers. It breaks up and works the ground evenly and rapidly and in one-third less time than any other cultivator. And if it does not suit you better than any other hand cultivator you ever saw we will take it back and give you back your money. Write today for free descriptive catalog and price list. The strawberry growers best friend.

Schenck Mfg. Co., Albion, Mich.



The Perfection Sprayer

the simplest, strongest and most powerful sprayer. Can be changed from horse to hand power without any trouble. Easy to work. Will spray upper and under side of leaf; mixture can be directed at any angle.

Send for our new book—FREE—and see how you can increase your profits 25 to 50 per cent.—how you can spray thirty acres of potatoes, cotton or vegetables in a day.

THOMAS PEPPER, Box 15, HAMMONTOWN, N. J.



SPLIT HICKORY

Trade Mark. Stands for quality. Costs no more. Don't buy the unknown kind.

SPLIT HICKORY SPECIAL


Everything of the best and made to order. 30 Days Free Trial. 2 years steel-clad direct guarantee. Write and tell us the style of vehicle you need. 1906 Catalogue, 180 pages, now ready. Write for it today. It's free.

The Ohio Carriage Mfg. Co., 12 E. Phelps, Free Station 24, Cincinnati, Ohio.

\$50



FREE 30 DAYS FREE



Steel Plate. Malleable Iron Ties. Thoroughly Seasoned Hardwood Body. BOILER. SPRING. Two coats of Paint. One coat Varnish. Highly Tempered. Spring Steel Springs. All Springs Are Carefully Tested Before Shipping.

WE PAY THE FREIGHT

Do you want a pair of bolster springs for your wagon? They relieve the jolt, jar and noise of a farm wagon, save damage and shrinkage of fruit, vegetables, eggs, livestock, grain, etc. Wagon rides easier, wears longer. No spring wagon needed with Harvey XXX Bolster Springs on the farm wagon. Fifteen years hard usage over all kinds of roads in every state of the Union have proven that Harvey XXX Bolster Springs save their cost many times over. 150,000 in satisfactory use. To convince you we will send a set on 30 days FREE TRIAL. If not as represented and perfectly satisfactory return them at our expense. Ask for our SPECIAL introductory Offer.

HARVEY SPRING COMPANY, 1220 Carver Ave., RACINE, WIS.

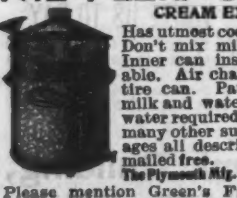
IMPORTANT State capacity of spring wanted and length between bolster stakes.

THE 4-LEAF CLOVER CREAM EXTRACTOR

Has utmost cooling capacity. Don't mix milk and water. Inner can instantly removable. Air chamber over entire can. Patent improved milk and water faucets. No water required in winter, and many other superior advantages all described in catalog mailed free.

The Plymouth Mfg. Co., Plymouth, O.

Please mention Green's Fruit Grower.



Sacks of Wheat Piled Up Outdoors Waiting Shipment.

See illustration on front cover.

Eastern farmers have wondered why the prices of wheat and other farm products should be so much lower of late years. Eastern farmers can have but little idea of the vast amount of wheat and other similar products which are produced each year on the farms possessing virgin fertility to the westward which, within the lifetime of many now living were simply pastures for wild buffalo or runways for jack rabbits and wolves.

The productiveness of these Western farms is so great they have vastly outgrown storehouses along the railroad lines, therefore, stacks of grain in sacks as shown in the photograph on first cover page, representing 50,000 bushels or more, are frequently seen. Grain is received along the railroad line in such vast quantities as to make it impossible for the railroads to ship or store it promptly, hence the necessity of stacking it outdoors to remain until the railroads can find cars in which to move it.

This country is indeed the feeder of the nations of the earth. Take away products of the United States from foreign countries and their people would starve. But every sack of wheat represents a certain amount of fertility taken from the soil. This our Western brothers do not fully appreciate. It seems to them, as it did to the pioneers of Western New York, that the fertility of their marvelous soil can never be exhausted, but sooner or later they will learn that this is a mistake.

This photograph was photo-engraved expressly for Green's Fruit Grower and kindly loaned to us by our enterprising contemporary, the Prairie Farmer. It will impress the Eastern farmers with the fact that they cannot depend upon the profits of wheat and corn growing. Eastern farmer must make their farms gardens, orchards, vineyards and berry-fields pay.

Practical Poultry Points.

Eggs being seventy-four per cent. water, the hens need plenty of this article every hour of the day.

Peas and oats are a good, all-around food. Oats furnish gimp, they make a horse trot, a hen cackle, and a rooster crow to beat the cars. This food contributes to the albumen in the white.

Mash composed of one hundred pounds of cornmeal, one hundred pounds wheat middlings and fifty pounds wheat bran, charcoal as a regulator, if needed, and enough of alfalfa clover to mix what they will eat up clean in fifteen or twenty minutes. No succulent food beats clover.

Have plenty of oyster-shell grit and a dish of slacked lime should be set nearby.

South Carolina rock is a good louse exterminator and disinfectant. The hens have it to burrow in, and with the dressing it makes a valuable fertilizer.

Kerosene combined with carbolic acid is used every Saturday to clean the roosting devices.

Franklin.

On Wednesday America celebrated the bicentenary of Franklin's birth, says Pittsburg Gazette. Franklin's deserts are so many and diverse that it is difficult to pick out any one as specially worthy of praise. He was the Edison of his day, the Mark Twain of his day, the John Hay of his day, the W. H. Harper of his day, the John Wanamaker of his day, the Andrew Carnegie of his day, and half a dozen other individuals rolled in one—inventor, statesman, humorist, business man, educator, philosopher, philanthropist, founder of libraries, author, reformer and printer. It is so hard to classify him that perhaps we had better leave him as he called himself—"B. Franklin, Printer."

Mail Boxes Should Bear the Name.—In riding through the country and noting the different homes, one has a curiosity often to know who occupies these homes, some of them beautiful in the extreme. We notice that some have their name on the mail box at the gate. This is very pleasant to the passerby, and we think it might be of advantage to the farmer to be thus identified with his farm. We hope that the time will soon come when the name of every farmer will appear upon his mail box or in some other conspicuous place, where it can be seen from the highway. The habit of naming a home from some characteristic which distinguishes the place is growing, and we trust that every farm will have a name.—Yates County Chronicle.

Mrs. Nexdore—"I've been thinking of having my daughter's voice cultivated. Would you?" Mrs. Pepprey—"By all means, if you have tried every other remedy."—Philadelphia "Press."

The Farmer's Fruit Garden.

Editor Green's Fruit Grower:—In passing through different parts of the country, I notice the absence of various fruits in the farm gardens. Farmers should, above all others, improve the opportunities that are given them to have plenty of choice fruits upon their tables at all times and preferably in the fresh state in season.

We read, from time to time, in your valuable paper, of the great benefits that are to be derived from eating fruit and yet how many farmers make a practice of growing all the different kinds, or even such as will succeed well in their locality. We are content, many of us, to grow one or two kinds, doing without the others, or depending upon the woods or fence corners for a limited supply of wild berries. This is especially true in regard to blackberries. Many farmers say, "What is the use of cultivating them when there are plenty in the woods?" And these same men would probably laugh at the idea of depending upon wild plums or strawberries for their supply of fruit. The cultivated blackberries are as much ahead of the wild ones as are the other improved fruits over their wild cousins. By cultivation have been obtained varieties that vary in time of maturity; in size, color and flavor, that yield much better than the wild varieties. And besides, we then have them adjoining the house where they may be picked as wanted and not require neglect of other work for a half day in order to go berrying.

I see no reason why every farmer should not have a great variety of the small fruits with the large. Blackberries, raspberries, strawberries, grapes, currants and gooseberries are easily grown and do well nearly everywhere, and now Mr. Burbank and others have added other varieties that are worthy of trial. Surely we should "revel" in fruit. Every privilege is said to carry with it a corresponding duty. Therefore, as we have the privilege of having plenty of fruit, let us look upon it as a duty, and I think we shall find it a very pleasant duty.—C. K. McClelland, N. C.

"Poor Richard's Sayings." Here are a few full of sense and true wit: Beware of meat twice boiled, and an old foe reconciled.

There is no little enemy. Whate'er's begun in anger ends in shame.

God heals and the doctor takes the fees.

He that can travel well afoot keeps a good horse.

If you do what you should not you must hear what you would not.

Buy what thou hast no need of and ere long thou shalt sell thy necessities. Proclaim not all thou knowest, all thou owest, all thou hast, nor all thou canst.

Craft must be at charge for clothes, but Truth can go naked.

Different sects, like different clocks, may be all near the matter, though they don't quite agree.

If your riches are yours why don't you take them with you to the other world?

Expensive Farming.

George W. Vanderbilt's abandonment of farming in North Carolina recalls the warning of his friends against the Biltmore enterprise at the outset says, New Orleans States. The plan was tremendously scientific. The Vanderbilt piggery and its butter-milk-fed hogs and the henery with its specially dieted hens were the finest things of the sort in North Carolina, but the ham was not much superior to the ordinary sugar-cured product, and the eggs were no fuller of meat than the eggs laid by the common barnyard fowl. A dollar a dozen to produce eggs was just a trifle too scientific. The superintendent of the hens got a bigger salary than most bank clerks, but he couldn't keep the hens from striking in midwinter.

Freezing in Warm Air.—The freezing of leaves and buds on clear spring nights, when the air temperature is above freezing point, has been superstitiously looked upon as an effect of the moon's light. An English experimenter finds that, while all objects have the temperature of the surrounding air on cloudy nights, rapid radiation may produce a difference on clear nights, and a piece of cotton proved to be at times six and even eight degrees colder than the air. Plants may be similarly chilled below freezing with the air above.

It is said that 7,200,000 eggs, 600,000 dozen, come into New York every day. This is about two eggs a day for every inhabitant of the city. New York does not consume that many eggs. Many of them are preserved, put in storage and used in other ways.

SAVE YOUR TREES

from the Ravage of SAN JOSE, COTTONY MAPLE SCALE, PSYLLA, Etc.

ALL YOU NEED IS

"SCALECIDE," Water, AND A GOOD "SULPHUR and SALT."

Simple, more effective and cheaper than LIME. For sample, testimonials and price delivered at your Railroad station, address B. G. Pratt Co., 11 Broadway, New York, N. Y.

Cutaway Tools for Large Hay Crops

CLARK'S Reversible Bush & Bog Plow.

Cuts a track 4 feet wide, one foot deep. Will plow a new cut forest. His double action Cutaway Harrow keeps the land true, moves 15,000 tons of earth, cuts 30 acres per day.

His Rev. Disk Plow cuts a furrow 5 to 10 inches deep, 14 inches wide. All of these machines will kill witch-grass, wild mustard, charlock, hardhack, sunflower, milk-weed, thistle, or any foul plant. Send for circulars.

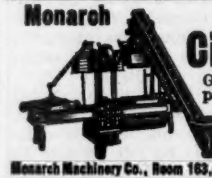
Cutaway Harrow Co., Higganum, Conn. U.S.A.



Monarch Hydraulic Cider Press

Great strength and capacity; all sizes; also gasoline engines, steam engines, saw mills, threshers. Catalog free.

Monarch Machinery Co., Room 163, 38 Cortlandt St., New York.



The BOSS CREAM RAISER

Raises cream between milkings, gets more cream therefore more butter, gives sweet skim-milk for house, calves and pigs, does away with crocks and pans. If your dealer does not handle write for Free Catalogue and our Introductory Free.

Bluffton Cream Separator Co. Bluffton, Ohio.



FREE SAMPLE TO TRY. WRITE FOR YOURS. TRIANGLE CLUB COFFEE

Finest, purest blend for family, hotel, restaurant, wherever the best is used. 10 lbs. for \$3.50. Put up, fresh roasted, in patent pot, air tight, fancy canister. This quality coffee usually sold by grocers at 50c and 60c. Try a sample or order a 10 lb. canister. Guaranteed to suit or money back.

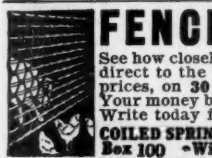
22 Montgomery Ward & Co., Chicago.



FENCE Strongest Made

See how closely it is woven. Sold direct to the farmer at factory prices, on 30 Days Free Trial. Your money back if not satisfied. Write today for free Catalogue.

COILED SPRING FENCE COMPANY Box 100 Winchester, Indiana.



LION BRAND GRAFTING WAX

Price of Grafting Wax, 1/4 lb. 15c; 1 lb. 25c. Postpaid, 1/4 lb. 25c; 1 lb. 40c.


GREEN'S NURSERY CO., Rochester, N. Y.



850,000 GRAPE VINES

100 Varieties. Also Small Fruits, Trees, etc. Best rooted stock. Genuine, cheap. 2 sample vines mailed for 10c. Descriptive price-list free.

LEWIS ROSSCOE, FREDONIA, N. Y.



DEATH TO HEAVES

NEWTON'S Heave, Cough, Dis-temper and Indigestion Cure. A veterinary specific for wind, throat and stomach troubles. Strong recommendations. \$1.00 per can, of dealers, or Exp. prepaid. The Nervous Remedy Co., Toledo, Ohio.



ABOUT THE SOUTH

"About the South" is the name of a 64-page illustrated pamphlet issued by the Passenger Department of the

Illinois Central R. R. Co.

in which important questions are tersely answered in brief articles about

Southern Farm Lands, Mississippi Valley Cotton Lands, Truck Farming, Fruit Growing, Stock Raising, Dairying, Grasses and Forage, Soils, Market Facilities and Southern Immigration

along the lines of the Illinois Central and Yazoo & Mississippi Valley railroads, in the States of Kentucky, Tennessee, Mississippi and Louisiana, including the famous

YAZOO VALLEY

of Mississippi.

Send for a free copy to J. F. MERRY, General Immigration Agent, I. C. R. R., Manchester, Iowa. Information concerning rates and train service to the South via the Illinois Central can be had of agents of connecting lines, or by addressing S. G. HATCH, G. P. A., Chicago, Ill.

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"Earth hath her price for what earth gives us;
The beggar is tax'd for a corner to die in;
The priest hath his fee who comes and shrives us;
We bargain for the graves we lie in;
At the devil's mart are all things sold,
Each ounce of dross costs its ounce of gold,
For a cap and bells our lives we pay.
Bubbles we earn with our whole soul's tasking,
'Tis only God that is given away,
'Tis only heaven may be had for the asking."
—Lowell.

The ages. Men and women laugh and weep, struggle and die as they have for unknown centuries. The centuries are but seconds in the grand cycle of the earth's life. There are more centuries yet to come, and the structures of to-day will have crumbled to dust and have been replaced by others still more wonderful before the final disheartening end. "Eras are numbered by the centuries which have passed over the earth. Eras of civilization and barbarism and crude animal life go to make up the ages of the earth.

"Even the ages are so vast that the records of man cannot count them. But each one has marked a change in the earth, still through each age the earth has supported its varying animal and vegetable life. There was the coal age, when plants grew to a size in a day which trees now attain only in a century. There was the stone age, when monsters of fabled size inhabited the land and sea. Geologists tell us of these ages. There may be other ages which will follow our own. But after all will come the age when life will cease to exist, the final ending age when the globe will still whirl through space, but unknown and unnoticed. Every age has meant a transformation in the earth's surface and a temporary end of the world.

Money Well Spent.—Still a deficit of \$10,000,000 or so caused by rural free delivery is a good deal easier for the country to tolerate than some other deficits it has been called on to face. Here at least it gets something for its money.—Indianapolis "News."

"You ought to know something about horticulture," remarked Citiman. "Tell me what is a forget-me-not?" "Why," replied Subbubs, "it's a piece of string your wife ties around your finger when you go in town on an errand."—Philadelphia "Press."

"After coming in out of the rain, let the umbrella down and stand it on the handle that it may dry in this position; the water will thus drip from the edges of the frame and the cover dry uniformly. When placed with the handle upward, as is frequently done, the water runs to the top of the umbrella and the moisture is there retained in the lining underneath the ring for some length of time, causing the silk or fabric with which the frame is covered to become tender and soon rot. A silk umbrella is much injured by being left open to dry; the silk becomes stretched and stiff, and will sooner split if not cared for."

Is there a God? "When I think of the awful tragedies of life, such as the Hoboken fire at the North German Lloyd steamship piers a few years ago, and then the frightful loss of life in the General Slocum disaster last summer, I wonder if there is a good God to allow such terrible accidents to happen." These were among the most remarkable of utterances of the Rev. Dr. Lyman Abbott, listened to by the congregation of the First Presbyterian church, of Clark and Henry streets.

"I understand," said one Russian general, "that the Japanese are planning a surprise." "Impossible," answered the other. "Nothing could surprise us now."—Washington "Star."

"Does angels have golden crowns and wear wings, pa?" "Why, I believe that is the general belief."

"But you won't never be able to find out for sure, will you?"—Cleveland "Leader."

"I wonder how graft originated?" said the studious man. "Away back in the Garden of Eden," answered Senator Sorghum. "Man was a grafter at the outset. Adam couldn't even let Eve enjoy an apple without getting a rake off."—Washington Star.

"My grandfather was a butcher," declared Miss Sly, in the midst of a discussion on ancestry.

The other girls gasped. "It's so, though," she declared. "He slaughtered lambs on Wall street."—Detroit Free Press.

Sermonettes.

One does not advance far who treads many paths.
Taste for duty can be cultivated like any other.
Circumstances have more to do with us than free will.
Noblesse oblige; but such lots of people aren't noblesse.

There are only two things the matter with the world, selfishness and ignorance; and it's a question which is the worst.

Perfect people are very tiring.
The road downhill is always greased.
A man's affidavit as to his own character is not evidence.

Generosity is based on moods and dispositions. Justice is based on principle.
Some people go through life like a cat marching through a blind alley, without ever knowing there's a big, roaring world beyond.

Society is a body. It isn't well unless it's well all over. A sore little toe can make a whole man miserable.

A thing is not right or wrong because any religion has made a pronouncement on it. A thing is wrong which injures any body, and for no other reason. If a person enjoyed being pounded in the face it would be an agreeable and courteous act to do so.—New York Globe.

Jack—I suppose there is nothing that pleases a woman more than the devoted attention of the man of her choice?

Bess—Except, perhaps, the devoted attention of the man of some other girl's choice.—Philadelphia Press.

Not an Accident.—No pronounced business success is a result of an accident. No establishment that thrives and constantly grows is the result of a gamble. Those at the helms of large business ventures leave little or nothing to chance. Therefore, it stands that every successful business must have a man or men behind whose individual responsibility or responsibilities make for success. If you want to know the secret of conservative and ever-growing prosperity, we will tell you. Aggressive advertising in ninety-nine cases out of one hundred is directly responsible for the great establishments that have demonstrated their ability to control large portions of trade in their different lines.

Mrs. Arthur M. Dodge, president of New York's Federation of Day Nurses, now comes with a new dictum which upsets everything. She declares "the absolute limit of a woman's capacity for taking care of babies is eight, and she ought never to have more than six," says the New York "Press."

This has so much the sound of a challenge aimed at the head apostle of multitudinosity that it becomes all lesser authorities to keep out of the fight. Some have claimed that Mrs. Dodge meant to say merely that six babies are as many as one nurse can care for, but that doesn't affect her declaration at all. If a woman can't care for more than six babies, or eight at the most, that settles it. That she happens to be the mother of the six or eight has nothing to do with the question. It seems to be up to Mr. Roosevelt to answer Mrs. Dodge.

"What is the secret of success?" asked the magazine.

"Do write," said the pen.

"Be progressive," said the euchre pack.

"Be exact and on time," said the clock.

"Be careful not to break your word," said the typewriter.

"Don't be afraid to strike when you find your match," said the lamp.

"Push and pull," said the door.

"Stand firm and unyielding," said the flagstaff.

"Don't change with every wind that blows," said the weather vane.

"Never become dull and rusty," said the hoe.

Climb steadily up, said the hill.

Four things on the farm returning most profit on capital invested: four things affording most gratification to cultivate taste, while uniting pleasure with profit; four things requiring a high degree of intelligence, care and gentleness in their management, are sheep, bees, fowls and fruits. The family raised to care for and attend these four things will acquire a degree of refinement foreign to a large majority of those deprived of their educative influences.

"It is hard to tell whom you can trust," said one grafter. "Yes," answered the other. "Sometimes I think there is no such a thing as honesty. You never know who is going to turn state's evidence next."—Washington "Star."



Your Spring Help

What kind of help will you have this spring. Will you do your work the old way with many men and much expense, or employ the time-saving, laborlessening and money-making

IRON AGE Implements

These implements comprise tools for the cultivation of all crops. The No. 6 tool shown, prepares the ground, sows the seed and cultivates the growing crop. The Iron Age (Improved Robbins) Potato Planter has no competitor. The only planter performing absolutely perfect work. Ridding and Walking Cultivators, Sprayers, Hoes, Drills, Potato Diggers, etc., all are shown in the New Iron Age Book. Most complete and instructive book on crop raising published. Write for it. It's Free.

BATEMAN MFG. CO., Box 160, Grenloch, N. J.



Please mention Green's Fruit Grower.

BURPEE'S Farm Annual for 1906 "The Leading American Seed Catalogue."

Mailed FREE to all who want the BEST SEEDS that Grow! This Thirtieth Anniversary Edition is a bright book of 168 pages and tells the plain truth. With Cover and Colored Plates it shows, painted from nature, Seven Superb Specialties in Vegetables of unequalled merit and Six Novelties in Flowers, including LUTHER BURBANK'S New Floral Wonder. WRITE TO-DAY!—the very day you read this advertisement. Mention this paper and address W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA, PA.

Buy Seeds from the Grower

Very few seeds reach the gardener without passing through three or four hands. This adds to their cost without improving their quality. We raise a large part of the seeds we sell and know all about them—how and where they were raised, how old they are and from what kinds of plants they were saved. This cannot be known when the seeds are procured through another dealer, or even from another grower.

COST LESS. When you buy our home grown seeds you pay only one profit and that a small one.

BETTER QUALITY. By keeping a close watch on our crops and throwing out all imperfect plants we keep the quality of our seeds up to a high standard. Quality is always the first consideration with us.

OUR SPECIALTIES. Improved strains of vegetable seeds for critical gardeners, new and superior varieties of Oats, Field Corn and choice Seed Potatoes. A new Giant Yellow Flint Corn that is a wonder—sample free if you mention this advertisement. Ask for our catalogue and wholesale price list (free.) You can't afford not to.

JOSEPH HARRIS CO., COLDWATER, N. Y.

Nursery Stock and Ornamental Plants and Trees GIVEN AWAY FREE!

By our co-operative plan we can offer all of our CHOICE NURSERY STOCK FREE as premiums to our customers who buy their HOUSEHOLD SUPPLIES from us. You can get anything you want in the line of FRUIT TREES, VINES or ORNAMENTAL SHRUBS WITHOUT COST.

Our line of DAILY HOUSEHOLD SUPPLIES AND NECESSITIES is very large, comprising Groceries, Extracts, Toilet Preparations, etc., etc. Our prices are lower than your home dealer charges you and the premiums are given you FREE. We share the profits with you.

MANY OTHER USEFUL, VALUABLE PREMIUMS ARE GIVEN. We guarantee all our goods to be of the highest quality and we guarantee all our goods to be as represented and to give entire satisfaction to you—the buyer—or they may be returned and your money will be refunded.

Send for our New Plan and CATALOGUE. IT IS FREE. Write today—it only costs a postal card—to learn all about our goods and premiums and HOW TO SAVE MONEY.

C. H. STUART & CO., No. 500 Main St., NEWARK, N. Y.

We have been in business fifty years and refer to any Bank here, or the Commercial Agencies.

11 Cents a Week OR 48 Cents a Month FOR ONE YEAR FOR 12 MONTHS

THAT'S OUR PRICE FOR THE WONDERFUL

MISSISSIPPI WASHING MACHINE

SIX MONTHS FREE TRIAL

With its SPRING MOTIVE POWER and ROLLER BEARING ROTARY ACTION, it runs easier than any other washer made; a mere child can run it. Forces double the water through the clothes at double the velocity of any other washer and will do double the work in half the time. Will wash cleaner, better, and with less soap than any other washer made. Won't wear or injure the finest lace, and will wash the heaviest blankets or carpets. No more wearing out clothes; this alone will save its cost in a few months. Washing made EASY, QUICK, CLEAN and ECONOMICAL. Worth twice as much as any other machine advertised or sold at \$10.00 to \$15.00.

OUR OFFER. Cut this ad. out and mail to us, or on a postal card, or in a letter say, "Send me your new Washing Machine Offer," and you will receive by return mail, FREE, the most wonderfully liberal washing machine offer ever heard of. You will get a proposition never made by any other house. Don't buy any kind of a washing machine, at any price, on any kind of terms, until after we mail you our great offer. Write TODAY and get all we will send you by return mail, free.

SEARS, ROEBUCK & CO., Chicago, Ill.

Get This Gold Pair

FREE Listen! I now have thousands of letters of appreciation from spectacle wearers all over the world, thanking me for the perfect sight they enjoy with my spectacles.

Now I Want YOUR Testimonial ALSO and this is what I intend to do to get it. Just write me and I will mail you my Perfect Home Eye Tester, free. Then when you return me the Eye Tester with your test, I will send you a complete five dollar family set of my famous "Perfect Vision" spectacles for only \$1 (which is an actual saving of \$4 to you), and this will include a pair of my handsome Rolled Gold spectacles absolutely free of charge. This set will last yourself and family a lifetime. With these famous "Perfect Vision" spectacles you will be able to read the finest print just as easy as you ever did in your life, and I will return your dollar willingly if you yourself don't find them to be the finest you have ever bought anywhere, at any price. Send for my free Eye Tester today. Address:

DR. HAUX SPECTACLE CO., St. Louis, Mo. IF I WANT AGENTS ALSO.

(NOTE—The above is the largest Mail Spectacle House in the United States and perfectly reliable.)



The above is a photograph of a peach tree which is 78 years old. Mark E. Morse now in his ninetieth year, says that his mother set out this tree in N. H. in 1815. The trunk of this peach tree is over three feet in circumference. Mr. Morse gathered peaches from this old tree the past summer.

Cherry Culture in Missouri.

By J. L. Whitten, Horticulturist of the University of Missouri.

In this section of the West cherry growing has not reached anything like the extent to which it prevails in the two coast regions of the country. One reason for the scarcity of cherry orchards in the Central West is the fact that the sweet cherry, so delicious as a dessert, which thrives so well in the coast regions, is not productive under our climatic conditions in the Mississippi valley. A few of them are grown here and there in favored localities, but they are far less well adapted than are the sour cherries. The sour cherries, however, thrive well in nearly all good fruit soils in the Mississippi valley states. While they are not the desirable dessert fruit to most tastes that the sweet cherries are, they are perhaps even better cooked, canned or preserved than are the sweet cherries. As a fruit for cooking, they are one of our choicest orchard products in this section. Being the first to ripen in the spring, they come to the table at a time when none of the other tree fruits are yielding their supply of fruit products. They also ripen early while the weather is yet cool enough that the fruit can be much more conveniently canned or preserved than can the later fruits which ripen during the heat of the summer, when standing over the cook stove becomes a very tedious and wearing operation.

Among the best varieties for this section of the Central West are the Early Richmond, English Morello, and Montmorency. Perhaps one reason why cherries are not more largely grown is because the growers are so frequently unacquainted with what sort should be selected. Miscellaneous varieties are planted, among them many of the sweet cherries. As a majority of these fail to do well, the farmer too frequently concludes that cherry growing is a failure. The three varieties named, however, are quite cosmopolitan in their adaptability throughout the Central West and as far north as any except the very hardiest varieties will safely winter. Grown in a good soil, these varieties are one of our surest crops. They fail far less frequently than do peaches, less frequently than do pears or apples or any other or our orchard tree fruits, with possibly the exception of some of the more prolific varieties of American plums.

Richmond Type of Cherry.

In almost all towns and small cities there is a local demand for a large quantity of sour cherries that are grown in the community. In a few cases where large cherry orchards have been planted so that a sufficient quantity was grown for shipping to our large cities, they have found a very ready market as compared with other kinds of fruit. In our own state (Missouri), the fruit growers who have cherry orchards generally state that their cherries are the most profitable orchard trees which they grow. This is particularly true where the cherry trees have been located on good cherry producing soil. One of the leading orchardists of this state has kept an account of the profits from a small cherry orchard on his farm and says that the cherry trees have yielded more than double the net profit of any other fruit trees which he grows. Frequently his trees have averaged him more than ten

dollars per tree in a single year, and it is rare indeed that they do not produce at least a fair profit.

While the selection of proper varieties is important, there are a few other factors connected with cherry growing in the Central West which the reader should bear in mind. The cherry will usually succeed best on high, well drained land. The soil, if not sandy, should at least be open and porous enough below so the water can seep out through the subsoil in order that the ground will not be water-logged about the trees. While the sour cherries will thrive on heavier soil than the sweet cherries, even the former will not endure "wet feet." Stiff clay subsoils that are impervious to water are very undesirable. The character of the subsoil for cherries is more important even than the character of the surface soil itself. The cherry will grow in a comparatively thin, poor soil and produce well, provided the subsoil is sufficiently porous and well drained so it will not hold surplus water and so the roots of the trees will run down fairly deep. It should not, however, be sandy, stony, or open enough so the trees will dry out, as in excessively dry, open soils they suffer from the intensely bright sunlight of the hot period of summer. In such locations they frequently drop their leaves early, go into a semi-dormant condition during the hot weather of July or August. In such case they are liable to start into a spring-like growth when the autumn rains come on. Sometimes, indeed, the blossom buds which should have remained dormant over winter and come out to produce a crop of fruit in spring burst into bloom with the first autumn rains of September.

In soils which are neither too wet nor too dry, however, the varieties mentioned above usually make good normal growth and retain sufficient vigor to bear good crops of fruit almost every year for a period of years.

Another important point for the beginner in cherry growing to consider in this section is that in planting the young trees they should not be cut back nearly so severely as it is customary to cut back other young trees at the time of planting. In this continental climate, where the sunlight is bright, where the atmosphere is frequently clear and comparatively free from moisture, and especially adjacent to the prairie regions which are frequently visited by hot, drying winds, transplanted trees are cut back somewhat severely so that their tops will not absorb too much water until the recently transplanted roots can become sufficiently established. The cherry tree, however, has its most active buds as a rule, comparatively near the terminals of the limbs. The buds toward the base of the limbs are frequently small, inactive, and are likely to remain dormant after the tree is transplanted. New growth starts readily then only from near the terminals. The base of the limbs and the main trunk will not put out new shoots readily the same as will the apple, or particularly the peach. If the limbs of the trees are severely cut back then, most of the active buds will be removed and the tree may dry up and die without any of its buds starting branches. An observation of the number of active, large, well formed, fresh looking buds at the terminals will enable the planter to determine how much to cut back. If there are not more than half a dozen such buds at the ends of the limbs, it is best not to cut back the young tree at all. If the limbs are well studded with live, active buds, they may be shortened slightly at the tips.

A third important point to remember is the treatment to be given the soil in the cherry orchard. Leading fruit growers throughout the central west are usually partial to clean cultivation of orchards. The majority of them give their orchards clean cultivation, occasionally growing some cover crop to plow under. The better cherry growers, however, in the majority of cases believe that clean cultivation of the cherry should be continued only a few years, while the trees are young, and that when the trees have reached bearing age and become sufficiently established, the orchard usually should be seeded down to clover or grass sod. If clean cultivation is continued, the trees seem not to fruit so abundantly in the majority of cases as they do where the orchard is in sod, which opposes a too luxuriant wood growth.

Growers who follow out essentially the plan mentioned above, and who market their cherries in a tasteful manner, usually find that cherry growing is one of the most profitable phases of their farm operations.

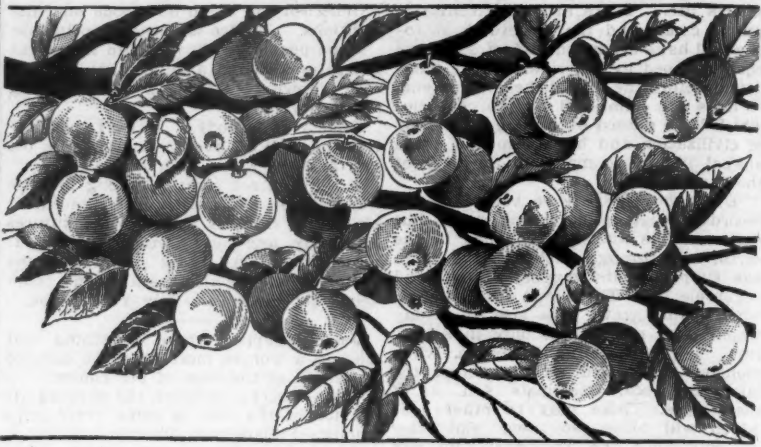
"It's much easier," said the scientist, "to support a weight than it is to lift it." "I haven't found it so," said Bilik. "I can lift my wife quite easily."—Judge.

Buying by Mail.

Fruit Trees, Small Fruit Plants, Vines, and Ornamental Trees.

Being the oldest nursery firm in the world receiving orders entirely through the mail, our system for satisfactorily serving customers at a distance is perfect. Our method of packing enables us to ship to the most remote sections with safety.

APPLE TREES AT BARGAIN PRICES.



APPLES ARE A STAPLE PRODUCT.—Easily Handled and Preserved.

A patron from Michigan writes that from 450 APPLE TREES 5 years planted, he sold last fall \$600.00 worth of fruit. Another apple grower near Penn Yan, N. Y., sold last fall the fruit of two orchards, 4,500 barrels at \$2.00 per bbl., or \$13,050 for his crop of apples. We offer a full list of Standard varieties of Apple trees at Bargain Prices.



1,500,000 ASPARAGUS PLANTS 2 YEARS OLD GROWING AT GREEN'S NURSERIES.

ASPARAGUS PAYS. Yields at the rate of \$400 per acre under good cultivation. Asparagus, the earliest and most popular vegetable, should be grown in all gardens. We offer 2-year old plants of Conover's Colossal and Palmetto varieties at Special Bargain Prices.

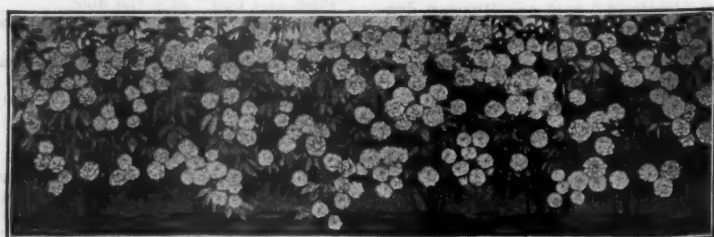
Also a large assortment of SMALL FRUIT PLANTS—Strawberries, Raspberries, Blackberries, Currants, Gooseberries, and Grape Vines.

Ornamental Trees, Shrubs, and Roses.

Let us help to make your grounds attractive and "home like." A few dollars invested in Ornamental Trees, Flowering Shrubs, and Roses, rightly placed will improve your grounds and increase the value of your property.



POPLAR TREES desirable for planting as wind breaks, hedges, and screens for unsightly outlooks. A rapid growing ornamental tree, easily transplanted. We offer 29,000 Carolina and Lombardy Poplar trees at Special Bargain Prices. Write us for prices before ordering elsewhere.



THE LIVE-FOREVER ROSE.—A bug-proof, hardy rose. If you have tried growing roses and failed, try once more, for we have discovered a rose which lives long and is proof against insects and diseases. Also a large assortment of other varieties of hardy 2-year old rose bushes.

35 Per Cent. Saved by Buying Direct From the Grower.

Send us a list of what you need, we can save you money. Our prices are lower for trees, vines and bushes TRUE TO NAME than those of other reliable firms.

SPRING CATALOGUE FOR 1906 is ready for mailing. If you have not received it send for it by postal card AT ONCE. IT IS FREE and contains valuable information as well as a complete list of varieties, all of which are offered at low prices.

GREEN'S NURSERY CO., 7 Wall St., ROCHESTER, N. Y.

AUNT HANNAH'S REPLIES.



Dear Aunt Hannah.—I am 31 years of age, and have a dear gentleman friend who has been paying me attention three months. He is the first lover I ever had, as my brother always objected to my having company. I see him nearly every day, but he never says anything about getting married. He treats me well, and I can't see why he wouldn't love me. Now do you think it would be proper for me to propose to him? Would there be any harm in my paving the way? And how near could I be to him when I propose? And when I propose, if he is willing should I accept? In one of your answers last month you said kissing could be allowed on suitable occasion. What would you consider a suitable occasion? Do you mean when no one else is looking? And do you think that two weeks would be long enough to be engaged? Under these circumstances do you think he would be happy? I know I would. Please publish this soon for I am anxious to know.—Rosebud.

Aunt Hannah's Reply: No, I do not advise you to propose marriage to the young man. You are altogether too precipitant. There are many young men who have been paying attentions to young ladies for three months, and sometimes for three years, who have no intention whatever of marrying. You might frighten the young man away and he might never return. Make yourself as winsome and attractive as possible and do not be impatient. Many young men are not in a position to marry, or to propose marriage on account of small salary, or owing to the fact that relatives are depending upon them for support, or many other reasons. It would be proper for engaged people to kiss in the presence of relatives.

Reply to Towanda Lover: The lady in sending the petals of flowers in her letter may not have known about the language of flowers. She may have intended to encourage you in your suit by the presentation of these rose leaves, and nothing more. I would simply present her with a bouquet of roses, or not, as you feel inclined.—Aunt Hannah.

In reply to an anxious lover I will say that he was not wise in asking the young lady if he might visit her and wait upon her regularly with a view to marriage. But few girls would consent to such an arrangement as this, for her consent would carry with it more than she should be willing to grant, not knowing how the acquaintance might terminate. Possibly after learning more of you she might not be so well pleased with you as she was before. The attentions of a lover to his lady-love should not be abrupt as were yours. His attentions should be unobtrusive and scarcely distinguishable from the attentions of any casual acquaintance until perhaps later on when he has discovered that the field is open, and that the lady gives him encouragement he might make himself better understood by tact. Tact is necessary in every department of life but particularly in love making. If you had pursued the course I speak of you might have had no difficulty, and the girl might have ultimately been your wife. But no young man must expect that every young lady he meets is ready to accept him as a marriage proposition. I advise you to indicate in your manner to the young lady that you are still pleased with her. It might do for you to call upon her occasionally as an acquaintance and wait for an encouraging sign. Above all do not become impatient in your love affairs, but give them time to develop.—Aunt Hannah.

The Real Baby.—"A philanthropic Japanese rode through the street one scorching day, when a beggar woman accosted him, holding a baby in her arms. "Kind sir," she said, "will you not give a copper coin to your servant, who is in sore need?" "Yes, gladly," said the gentleman, and he took out a handful of small change. "But just as he was about to give this to the woman he chanced to look closely at her baby and, behold, it was only a great doll. "Why," he cried, "that baby is a fraud—a sham." "Yes, your honor," said the woman humbly. "It was so hot I left the real one home to-day."—Chicago "Chronicle."

Kitty—"Do you know, I used to think Carrie really pretty; but somehow she doesn't look a bit attractive of late." Mattie—"Yes, I heard she was engaged to Harry Sweetser."—Boston "Transcript."

Do It Now.

If you've got a thought that's happy, Tell it now. Make it short, and bright, and snappy— Tell it now. Tell it to a friend that's near, Tell it, full of hope and cheer; By and by the world will hear— Tell it now.

If you've got some word or other— Say it now. For a struggling, friendless brother, Say it now. Start him out, this brand new year, With a handshake; let him hear Words of sympathy and cheer— Say it now.

If you've got a job of work— Do it now. Yesterday's the day to shirk— Do it now. Do it now and when you're through Tackle something else to do. "Do it's" my advice to you— Do it now. —Carl Wilson in "Suggestion."

Needless Anxiety.

How many men and women are worried daily about the calamities that never occur. A prominent physician has said that there were times in his life when he has imagined that he has been attacked by every known disease, from cancer in the stomach to appendicitis, and yet in fact he was perfectly sound physically. To be healthy one should think healthy thoughts; that is, we should not encourage the thought that we may be afflicted with some hidden disease. In order to be happy we must think happy thoughts and not dwell upon the dark side of life.

These thoughts have been suggested by the Rev. James Dickson in an interesting letter which I regret that we have not space to publish in full.

There is indeed much of sorrow and calamity in this world, enough to make every one of us miserable should we ponder over evils or calamities and allow them to eat into our good nature, but we must dispel such gloomy fears and turn our minds to brighter and happier things. The world is full of brightness, of joy and happiness and we should search for these bright things and make the most of them. There are dark days, cloudy and windy days, muddy, disagreeable days but we should forget them and think mainly of the bright days, the joyous days, days when we have tramped over the meadows, by the brookside or through the forests. We should think of the days when flowers were in bloom, or when we went nutting, or the day of the picnic, or of Thanksgiving and Christmas days when we gathered with our friends in such happy reunions.

There are many diseases which have been known to attack mortals but remember that the Creator intended that we should be healthy and long lived, and that he has planned our bodies for such results, and that most of our physical ills are caused by disregard of nature's laws. How many of us worry about our friends who are taking a long journey by rail or by steamship, and yet statistics show that we are actually more safe on the railroad train or the steamship in mid-ocean than we are when at work as usual about our own farms.

Our good friend Dickson says that when he is tempted to sad thoughts he turns to the promises of the Bible. It is claimed even by unbelievers that prayer has a marvelous quieting and invigorating effect upon any person when sick or in trouble.

From Shakespeare.

Thus we play the fools with the time, and the spirits of the wise sit in the clouds and mock us.

She's beautiful and therefore to be wooed; She is a woman, therefore to be won.

Smooth runs the water where the brook is deep.

Men's evil manners live in brass; their virtues we write in water.

What's in a name That which we call a rose

By any other name would smell as sweet.

Good-night, good-night! Parting is such sweet sorrow That I could say good-night till it be morrow.

When love begins to sick'n and decay, It uses an enforced ceremony. There are no tricks in plain and simple faith.

A friend should bear his friend's infirmities.

I dare do all that may become a man; Who dares do more is none.

The nation's wealth comes from the earth—advertise to the farmer.

HOW \$1.00 CAN BE SAFELY INVESTED AT SEVEN PER CENT.

is sure to interest everyone.

It will be particularly interesting to you if you have been getting only 3 or 4 per cent. paid by savings banks, whose stockholders grow wealthy by loaning your money at a higher rate of interest.

Through a co-operative plan we have evolved you may now invest any amount from \$1 to \$1,000 at 7 per cent. guaranteed on even better security than banks offer.

You become a partner in a \$200,000 business that earned over \$100,000 in the past 19 months.

This is an investment that appeals to conservative people.

People who put their money into real estate, bonds, and building associations are among our heaviest investors.

Every dollar you invest is secured by real estate that is constantly growing more valuable.

Property that has made poor men rich and rich men richer.

As a partner in this business you share directly in the profits of the sale of this property—large profits—

7 Per Cent. Guaranteed at Once

but much more easily possible. On December 15, 1905, the semi-annual dividend period, all shareholders on our books received three and one-half per cent. (3½%) on whatever amount they had paid in.

An extra dividend (in addition to the 7 per cent. guaranteed) has already been earned.

By investing now you will share in this dividend.

There is not another investment opportunity like this anywhere.

No matter if you have never invested a cent of money before, you will surely be interested in this proposition.

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1 .10	American Farmer.....	1 .70	1 .10	Poultry Success.....	1 .75
1 .75	American Poultry Advocate.....	1 .60	1 .10	Poultry Tribune.....	1 .70
1 .10	American Poultry Journal.....	1 .70	1 .10	Practical Farmer.....	1 .75
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Enclose bank draft on New York, P. O. order or express money order, and your order will be filled. Individual checks not taken. GREEN'S FRUIT GROWER, ROCHESTER, N. Y.



NATURE STUDIES

THE SQUIRT GUN FISH.

Written for Green's Fruit Grower by Wm. L. Moore, Texas.

The Jaculator fish, the piscatorial gunner of the Jordan lakes, uses his mouth as a squirt gun, and is a marksman of no mean ability. Go to the lake or pond filled with Jaculators. Place a stake or pole in the water with the end projecting from one to three feet above the surface. Place a beetle or fly on top of the pole and watch. Soon the water will be swarming with the finny gunners, each anxious for a shot at the bug or fly. Presently a fish comes to the surface, steadily observes his prey and measures the distance. Almost instantly he screws his mouth into the funniest shape imaginable, discharges a stream of water with the precision of a sharp shooter, or his equal, knocks the fly or beetle into the water where the successful fish or some of his hungry horde, devours it. This sport with this peculiar fish may be kept up as long as the supply of beetles and flies holds out.

Toads sit at night around the bases of electric light poles along the country roads of England, waiting for the fall of the dead, injured and partly cooked moths which have alighted on the hot globes above.

Beavers.—The recent engineering feat at Niagara Falls, by which a concrete column was tipped over into the river to raise the level of the water, reminds the New York "Mail" that the beavers also build dams that way. At the Bronx Zoological park the other day the captive beavers tipped into their stream a tall and stocky oak which they had felled by gnawing, and it dropped into the very spot they wanted it. It will reinforce their dam, and give them a depth of water that they need to protect their houses. In felling this tree with such skill—a skill which seemed to the gazing crowds nothing short of miraculous—the beavers at the Bronx were working from an instinct developed in them ages ago. Every beaver obeyed this instinct because it is in him by inheritance and necessity. As John Burroughs says in his book, "The Ways of Life," the beaver did not think about their engineering at all—Nature thought for them.—Buffalo Commercial.

Pockets in their cheeks.—Chipmunks, squirrels and ground squirrels take food in their mouths and with their tongues push it out between the teeth into an elastic pouch (connecting with the mouth) thus extending the cheeks says St. Nicholas. The pocket gophers have pockets outside the mouth along the front of the cheeks. These pockets extend back under the skin to the shoulders, and are filled and emptied by the aid of the forefeet and claws. They are often stuffed so full of pieces of roots, stems and leaves as to give a very ludicrous appearance to the little animal. Roots and stems are cut into pieces about an inch long and packed lengthwise. Leaves are folded or rolled to fill the smallest space.

Humming Bird.—Mrs. Ellen Coyle of Caledonia, 68 years of age, succeeded in catching a humming bird in her hands. She has him confined and is giving her friends a chance to see a sight very few have the privilege of seeing; one of these little fellows when he is still. He is tallish with a beak the size of a darning needle and a couple of inches long. His plumage resembles that of a peacock in colors.

Black Bear. When the cold frosts of fall arrive the black bear begins to think of a snug home during the winter months. He looks about until he finds the place that suits him. It may be in a hollow log and, if the hollow be already the home of a family of coons, bruin has no scruples about turning them out. It may be that the bear finds a blowdown where the passing years have deposited limbs and leaves until there is a covering impervious to snow and rain, and he crawls underneath and burrows into the scurf to sleep for the winter. If he can find a cave or a deep cleft in the rocks bruin is equally well satisfied and will sleep fully as comfortably until warm weather comes again, while in his little hollow in a neighboring oak the squirrels are snuggled away with the store of nuts which constitutes their winter larder. The bear has no larder to resort to during

the winter and he wants none, for he sleeps soundly while his waste tissues are replaced by the great rolls of fat which cover his ribs as a result of the summer's foraging on the fat of the land.

The bear retires to his winter sleep just as soon as the ground begins to freeze, which is usually along the last of November. This will of course not apply to all cases, for many bears are found roaming about until long after the first of December, but ordinarily they den up early. Many a bear has been awakened from his winter sleep only, as a slang expression has it, to "find himself dead." Frequently when a bear dens up beneath a blowdown, or lies in a hollow log with his snout near the opening, the warmth of the bear's breath melts a hole in the covering of snow. The hole keeps growing larger until finally it becomes encrusted with ice and then remains a sort of chimney or ventilator for bruin's bedchamber.

Bats. The bat is neither mouse nor bird. It is a quadruped, for, truly speaking, it has no wings. A thin membrane stretches from its neck to its forelegs, whence it is extended upon long fingers, joins them to the hind legs, and these to a tail of considerable length. Thus all four limbs and tail are webbed together something after the manner of a duck's foot, and the flitting uncertainty of its flight is accounted for. But this is the best he can do. The bat does not excel as a pedestrian.

One day, while Ralph Ellms, of Dexter, was in the woods after crows to hang in the corn field for scare crows, he found in an old crow's nest a very small, young red squirrel, which he took home alive, says the Eastern Maine Gazette. After exhibiting it to the family he gave it to the cat, which has three small kittens, supposing she would make a dainty meal of it at once. Instead she very carefully carried it into the nest on the hay where the kittens were. A few days later, on going to look at the kittens, what was the surprise to find the squirrel alive and happy, the old cat having adopted it, seeming to think as much of it as of her own offspring, while the squirrel takes kindly to its new mother.

Sea Weed. The use of seaweed as food is an example of the determining factors of both necessity and environment. It is not a little astonishing to find what a number of seaweeds are really edible and nourishing. Perhaps the best known example in this country is laver, which is a kind of stew made from a weed, an alga (Porphyra laciniata). The laver made on the Devonshire coast and to be found in some London shops is excellent. The sea algae, indeed, prove on analysis to contain a considerable proportion of nitrogenous matter, and as they are usually tender they are digestible. There are also several sea mosses which are esteemed for their esculent properties.

Turtles.—The turtle may be regarded as an odd article of food, since it is the only example of an edible reptile, at least in this country. Frogs' legs, again, are rarely eaten in this country, though they are easily digested, possess a delicate flavor and have about the same nutritive value as chicken. Neither is the small esteemed as an article of food in this country, though in France it is partaken of in large quantities, and so good is it that it has been called "the poor man's oyster." The edible snail, however, is a particular kind, and is generally collected in considerable numbers from the vineyards of France. In Spain the snail is served in a most excellent and appetizing manner, and in Paris a dish of selected snails is reserved for the special use of the gourmet. Coal would appear to be a strange article of food, but instances are known in which children and cats have been found consuming it in a not negligible quantity. There is no evidence, however, although coal contains an abundance of one of the most important elements of food—i. e., carbon—that in this form it is in the least degree assimilated.

During the time between the trains a brakeman was wandering along the creek near Red Lodge when he noticed a splashing in a shallow place in the stream. Approaching he discovered a handsome five-pound trout endeavoring to make its way over a riffle. Mr.

Clark easily slipped his fingers underneath the fish's gills and pulled the monster out of the water. The trout made a fine meal for a few friends in Billings that evening.

Watch one of those midges light on a horse's flank—though they do not weigh the 50,000th of a drachm—and you will see the horse give his whole skin a twist, round about where the midge is and try to shake it off. Even though he has a shaggy coat, he can feel that midge alight. Besides these limits to your everyday senses, however, there are several senses which you haven't got at all, but which plenty of other creatures have. One is the sense of weather. You cannot tell by any sense—except newspaper reports—what the weather will be the day after to-morrow, but animals can, for they carry natural barometers in their brains. When a frost, for instance, has lasted a week or two, and all the meadows are bound up, you will find insect-feeding birds that have gone to the mud-banks of estuaries, moving back in flocks to the fields thirty hours before the first signs of a thaw.—Chicago "Record Herald."

How Bass Look After Their Young and Eggs.—"The female fish has no maternal instincts whatever," said J. Nevins, of Madison, superintendent of the State fish hatcheries. "In fact, the fish is the most unhuman creature in existence, that is, of the animals which have any degree of intelligence at all."

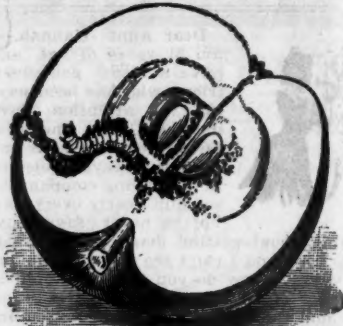
"Perhaps it is well that it is so, for if the parent fish took care of their young as other creatures do the waters of the earth would be filled with them in a very short time. Under natural conditions not one egg in a million ever becomes a fish a year old. As an example, I have seen female brook trout go up into the spawning places and spawn their eggs, and then turn round and deliberately eat them."

"For the last few years I have been much interested in experimenting with bass and studying their ways. Here the male parent has some maternal instincts apparently. He builds the 'nest' for the female, some little pocket with a gravel bottom protected from the strong current, but with plenty of fresh water, and then lugs or pushes the female into it. The eggs are spawned by the female, who swims away and leaves them to their fate. The male fertilizes the eggs, and then for a few days watches over them, 'fanning' them occasionally to insure a circulation of fresh water and keeping off other fish which would devour the eggs. The male fish have been known to follow the little fry for several days, protecting them until they were able to take care of themselves."

"I have seen a school of say 1,500 bass fry devoured in five minutes by a few sun bass or perch minnows. Under the care of the fish hatcheries from 50 to 95 per cent. of the eggs become fish fry. How many of the fry live to be a year old or after they are planted in the streams it is very hard to determine. It depends so greatly upon conditions that no reliable estimates can be made."

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As a Trial Offer we will for 10 cts. mail 5 Pkts. Giant Pansies, SNOW WHITE, COAL BLACK, CARDINAL RED, PURE YELLOW, AZURE BLUE; also 5 Pkts. New Giant Sweet Peas for 10 cts.; WHITE, PINK, SCARLET, BLUE, YELLOW; also 5 Pkts. new early flowering Carnations Pinks for 10 cts.; SCARLET, WHITE, PINK, MAROON, YELLOW. A Booklet on Culture, big Catalogue, and All 15 Pkts. for 25 cts.

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THE BOX MAKER.—Every fruit farm of considerable size must have a box maker, or a handy man with carpenter's tools. He is called upon not only to make bushel boxes in which to pack apples and pears, and to make bushel crates in which apples and other fruits are gathered and removed to the storage house, but to repair berry crates and to perform other acts of carpentry. Doors get off the hinges, roofs leak, and farm tools need repairs. Every farm should have a kit of carpenter's tools and a man who understands how to use them.

Some Additional Notes by Prof. Van Deman.

Spraying.

One of the notable thing that has occurred within the last twenty-five years is the knowledge of how to successfully contend with the insect enemies and fungus diseases, that damage our fruits and fruit trees. It is true that they have greatly increased in numbers and the area affected within that time, but our ability to fight them has more than kept advanced.

Spraying was entirely unknown twenty five years ago. I saw the first spraying machine that was ever used in this country and helped put it together. This was about 1887, and the sprayer was from France. Since then we have seen this simple little hand sprayer develop into many kinds of improved machines, besides which it is a mere plaything. The preparations for use in spraying have kept pace with the implements for using them. While arsenic and kerosene are the basis of nearly all our insecticides and sulphate of copper in some form is the vital part of most of the fungicides; they have been combined with other things and so improved that we are far more able to use them effectively than at the beginning. The rots, mildews, rusts, bugs, worms, plant lice and all such things are practically within our control, although we may never be able to entirely destroy them.

Principles of Tillage.

Another very important, although a very simple principle of practical horticulture that we have only lately come to clearly understand it, is that of the value of the dust mulch in tillage. We used to think that any manner of culture of fruits that kept down weeds, was sufficiently good. Our fruit growers have, within the past ten to twenty years, learned the true philosophy of tillage. They nearly all now know that it is not done mainly for the destruction of weeds, but to keep the moisture in the soil. Any knowledge of horticulture, or of general farming, that does not include a clear understanding of this principle is sadly lacking, if not fundamentally wrong. When once this truth of the dust mulch is well fixed in the mind, a great gain has been made, and many of our people of the present day are to be congratulated on the possession of it. And it is within my distinct recollection that it has been so. Fruit culture under the new understanding and the practice of frequent and shallow tillage is a great advancement over the old plan of occasional or infrequent and deep stirring of the soil during the growing season.

Knowledge of Fertilizing.

We can all remember very well where there was very little known by the average tiller of the soil about what it did or did not contain in the way of fertility. In other words, they knew very little about the elements of fertility, such as nitrogen, potash and phosphorus, if they knew that they existed at all. Less than twenty-five years ago the average farmer and his more intelligent brother, the fruit grower, understood very little of the true character of the soil; its natural makeup; what constituted a rich soil and what ingredients a poor one lacked. They did not know "the whys and wherefores" of their business, and they do not know nearly enough now, but they are awake to their state of ignorance, if not fully enlightened on the subject of fertility.

In the farmer's pockets is wealth untold when the harvest returns are in.

Drying Prunes.

On the Pacific coast prunes are dried on trays out doors by the sun's heat. Here is the method says Denver Field and Farm;

The prunes must be fully ripe before they are ready for the evaporator. Most varieties are not ripe enough to cure until they fall to the ground. Before being spread on trays they should be graded to secure equalization in drying and dipped in lye or pricked by a pricking machine to crack the skin. This allows the moisture to escape more easily and also prevents dripping. From sixteen to fifty hours are required for evaporation, the time depending most of all upon the variety, but depending somewhat upon the season and upon the soil. It is possible to hasten the operation of drying, but to do so is seldom wise, as prunes suffer much in quality by too rapid drying. One hundred pounds of green prunes will make from twenty-five to thirty-five pounds of the cured product. Before packing, the fruit must be again graded and put through a thorough sweat. Some producers finish by dipping in one of the various solutions or by exposing to steam. A good prune is soft, smooth and meaty with a loose pit and is of amber, dark red, or of a golden hue.

Some flowers and herbs that grow very low are of a very fragrant smell and healthful use.—Robert Leighton.

Out of the soil in which deciduous leaves are buried the young tree shoots vigorously, and strikes its roots deep down into the realms of decay and death. Upon the life of the vegetable world the myriad forms of higher life sustain themselves, still the same law, the sacrifice of life for life.—E. W. Robertson.

There are deep places in life. For years we pass on in a circle of routine until we reach a crisis. Sometimes years of cloudless prosperity are at once interrupted by a succession of troubles, as the smooth stream of a river is broken by rapids and hurried suddenly down a cataract. The happy family is entered by death. Love is disappointed, hopes are frustrated, prosperity ceases, adversity comes, sickness despoils us of our energies. In such hours we seem to descend, step by step, into still more profound depths of trial and sorrow. But from these depths the heart sees God more clearly than from the sunny hilltops of a happy life—as persons can see the stars at midday from the bottom of a well. When all around us grows dark the inward light grows stronger and clearer.—J. F. Clarke.



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The WINTERS are MILD in the SOUTHWEST



SNOW is almost unknown, and it is seldom cold enough to freeze. The farmers in the Southwest do not have any of the hardships of winter to bear. They do not have to build expensive barns for their stock, nor feed and shelter them all winter. Neither do they have to remain idle half the year.


Many farmers in the Southwest begin their plowing in January, at a time when you are giving your best efforts to keeping your family and stock from freezing. Lots of them plant in February, while you are still hugging your stove.

When you stop to think that the Southwestern farmer has all of these advantages, besides getting his land for a small part of what yours cost, and that he will raise bigger crops than you raise and get better prices than you get—don't you think he is better off than you are?

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It is an easy matter to prove this. You are not very busy now; take this time and slip away from the cold for a few days and run down to the Southwest, and see for yourself how much better conditions are down there than where you live. *The trip is not expensive.* Unusually low rate round trip tickets (from many points as low as 25 per cent less than the regular one way rate) can be purchased on January 2nd and 18th, February 6th and 20th. The tickets allow you to stop off at pleasure, and every opportunity is given you to look around. Ask your home ticket agent to tell you the exact cost of a ticket, or write to me for the information.

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Associate Editor of—
GREEN'S FRUIT GROWER.

HIS ANSWERS TO INQUIRIES.

Has the work of Luther Burbank been overrated by the popular magazines?—J. D. P., Mich.

Yes, dreadfully. I am sure that Mr. Burbank does not approve of or "stand for" many of the things that are said about his work, or rather, what has been said that is not true, either in whole or in part. Some of these magazine and newspaper writers have, seemingly, been writing for the little money or fame they might get out of it than to tell the candid truth. Mr. Burbank is a very great man in the field of experimental horticulture and one of my personal friends, and I would not say a word that would detract from his glory or the honor due him, but I do object to the mistakes and exaggerations of some of the writers. For instance, it has been stated that he originated the Burbank plum, when the truth is, that he imported a lot of seedlings from Japan and after they fruited he sent fruit from them to me, when I was in the government service, I chose the one that was the best of the lot and named it in his honor with his approval.

Is the fruit raised in Washington and Oregon of as good a quality as that raised in the East?

A. A. Stuckman, Ohio.

Reply:—This question may be answered yes and no. The quality of the fruits grown in the northwestern states is variable, but on the whole I think it is good and like it to eat as well as any that is grown in other sections of the country. In the irrigated parts of the western states it sometimes occurs that fruit growers apply too much water to their orchards and cause an excessive growth, making very large fruit, to the injury of its flavor. There are certain conditions that are naturally favorable to the proper development of the trees and fruits of the different kinds, and when these are not sufficiently afforded there will be undesirable results in proportion to the lack of suitable conditions. Thus it is, that although the soil, temperature and some other things may be very suitable, there is not sufficient natural moisture, as in the arid or semiarid regions, and when water is supplied artificially it is often not done with knowledge and discretion. There may be too little or too much water applied, and in either case there will be abnormal development of the fruit. These adverse conditions are not confined to the irrigated regions, nor to the western states, nor is all the badly flavored fruit found there. Much of that grown there is of excellent quality. Its size and appearance are usually very fine.

I want to set out an orchard large enough for me to take care of alone. Will you kindly advise the kind of fruit you would set out for Northern Michigan.—Emerson A. Orr.

While I have not been exactly where the enquirer lives and proposes to plant an orchard I have been very near there and have had practical experience in starting in the woods and growing fruits of various kinds in that part of Michigan known as the Grand Traverse Region, beginning as far back as 1867. The land is of a sandy and gravelly character and naturally covered with hard wood timber, principally, indicating good soil; the climate is reasonably good for fruits, such as the apple, pear, plum, cherry and most of the berries. I do not see why fruit growing might not pay there very well. As it is only intended to plant what one person can attend to there should be a succession of them ripening so that they could be gathered and marketed, and that there might be a constant family supply.

Of apples the Sutton, R. I. Greening, Tompkins King and Baldwin are good for winter, and the early Harvest, Primrose, Fanny, Jefferis, Gravenstein, Grimes and Hubbardston will make a succession from very early until late winter varieties are in season.

Almost any of the pears will succeed there. The Early Wilder, Tyson, Howell, Bartlett, Seckel, Sheldon and Lawrence are good for a succession. The Lombard, Peach, Bradshaw, Golden Drop and Grand Duke are good plums. Among the best cherries are the Tartarian, Napoleon, Hortense and Windsor. All of the ordinary varieties of the strawberry, raspberry, blackberry and current will succeed.

Is it well for fruit growers to buy or test new fruits.—B. J., Pa.

Reply:—Certainly, there is no other way for their good and bad points to be

known. Only experience will develop the facts. The experiment stations should test them, of course, but the fruit growers should give them full and practical tests under the varied conditions that can only be met on the farms of the country at large.

Is it well to depend almost entirely on our experiment station workers for talks like those of Western New York horticultural meetings?—A. J. B. New York.

Reply:—There is no reason to deny or disparage the efforts of the experiment station workers to enlighten the public by assisting in the meetings of the Western New York Horticultural Society and in many other meetings of similar character. They are usually well posted in regard to the several departments of horticultural work that each is called upon to treat at these meetings, and their opinions are worthy of earnest consideration. Yet it is sometimes the case that too much time is devoted to mere theoretical discussions of subjects, to the exclusion of statements of experiences and suggestions from those who are engaged only in the practical work on which the discussions bear. The scientists of the stations are not so much to blame for the seeming monopoly of the meetings as those who plan the programmes; and in some cases the practical men are to blame for not coming forward and doing their part in the matter of reading papers and discussions.

Are the State Horticultural societies increasing in helpfulness? J. G. I., Ohio.

Reply:—Yes, I think they are, but not in all respects. There is more of an accurate and truly scientific character known, explained and discussed, but there is not so much time devoted to and opportunity given for general discussions. It used to be that there was a great deal of time wasted in the horticultural meetings by going over and approving fruit lists; but now this work is largely done by the members at home and in deliberation, and it is done better, too. The reports are being published in larger editions than formerly, and they are, therefore, reaching a larger number of people who are interested in the subjects that are treated in them. The illustrations in these reports are constantly getting more numerous and better in every way.

Is interest in the good old American Pomological Society flagging, and if so why so?—P. B. Pa.

Reply:—No, I do not think the interest in the American Pomological Society is diminishing. There was a time when it was, and largely because of the inattention of the leaders to the growing west. The meetings were held almost entirely in the eastern states for some years and the western fruit growers, in sheer self protection organized a society which gradually grew into a national organization, the American Horticultural Society, but it was finally discontinued. Only the last year a meeting of the old American Pomological Society was held in Kansas City, Missouri. I think interest in it is general.

After having seen the great fruit region of western and other states, and on the Pacific coast, how does the Western New York section compare for general results for the hardy large and small fruits?—B. S. G., New York.

Reply:—My prolonged visit to the Pacific Northwest during the past year, during which I was able to see the larger part of the fruit growing sections, from Southern Oregon, to British Columbia and the fruits that are grown there, gave me a very good opportunity to compare them with those of the East. My belief is, that there are no better regions for growing fruits of nearly all kinds that are hardy enough to succeed in our best sections, than in the Northwest. But there are ample opportunities for growing the same classes of fruits, with a few exceptions, in Western New York and other sections in the eastern states. The great trouble with many of the eastern growers is lack of proper attention to their orchards and berry patches. It is not natural advantages alone that cause fruits to do so well in the west, for they have insect pests in abundance and some fungus diseases, too. They fight them from start to finish. They also grade and pack their fruit much better than the eastern growers. They ought to go west and take lessons.

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She loved him just as well.
That was her business.
They decided to be married.
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They will need Vines, Plants and Trees for their garden.
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This is the Mark that stands for the range which BAKER'S A BAKEL OF FLOUR WITH A MOD OF COAL. HILL STONE WORKS, Rochester, N. Y.

Memory Gems.

This learned I from the shadow of a tree
That to and fro did sway upon a wall;
Our shadow-selves, our influence, may fall
Where we can never be.
—A. S. Hamilton.

Hold it truth with him who sings.
To one clear harp in divers tones:
That men may rise on stepping stones
Of their dead selves to higher things.
—Tennyson.

Give fools their gold and knaves their
power;
Let fortune's bubbles rise and fall:
Who sows a field or trains a flower
Or plants a tree is more than all.
—Whittier.

Let us have faith that right makes might;
and in that faith let us to the end, dare to
do our duty, as we understand it.
—Abraham Lincoln.

Howe'er it be, it seems to me
Tis only noble to be good:
Kind hearts are more than coronets
And simple faith than Norman blood.
—Tennyson.

Why Eastern Farms Are Cheap.

Charles A. Green of Green's Fruit Grower in a local newspaper asks the question. "Why are eastern farm lands so cheap?" and then answers it by the argument that the railroads, by discriminating rates in favor of the Western farmer have caused the partial abandonment of agriculture in the East. He states, and probably with truth, that the railroads will carry produce from Iowa, Dakota and Minnesota to the seaboard as cheaply as they will transport it from Rochester. Continuing he says: "The depreciation of eastern farm lands is due to the railroads. This also answers the question why Western farms have so rapidly increased in value, and why Western farmers have of late years become so wealthy. It is a fact, that whereas the farmers of Kansas a few years ago were poverty stricken, and were borrowing money from Eastern capitalists at extravagant rates of interest, these same farmers now have large sums of money in the banks, and the banks are so full of money that they do not care for more. Railroads have helped the Western farmer to the disadvantage of the Eastern farmer, and now, in order to help the Western farmer more at the expense of New York state are to be taxed from \$100,000,000 to \$200,000,000 to build a barge canal from Buffalo to New York city."

We agree with this correspondent says Rochester Evening "Times" that the railroads have much to do with the abandonment, and consequent decrease of value, of farm lands in the Eastern states, but we think he fails to take into consideration two other important reasons for the deterioration of farming in this section, both of which are undoubtedly contributory to present conditions. The first cause we refer to is the desire of the young man and the young woman on the farm to indulge in urban life. It is unquestioned that the next generation will feel the effects of too much dwelling in cities, too little pure air, too little outdoor life, too little healthy exercise, too little sunshine, too much contact with vicious social conditions, engendered by life in crowded communities, too much strenuousness, much of it unneeded, too much chasing after dollars and too little attention to the real purposes of life.

The other cause is a homely one—the farms in the Eastern States are "wearing out." Before agriculture became a science—before the husbandman awoke to the fact that farming to get the best results was an exact art, that the earth was as much alive, and in need of as much attention, as his own body, the farming land was sorely abused. Man was content to merely sow and reap—between harvest and sowing the soil was neglected. At all times it was overworked or injudiciously exerted. There is a change in this direction now. Our colleges are teaching agriculture as a part of their curriculum—the next generation of farmers will not abuse the soil. And in a lesser degree, there is a tendency to realize the evil effects of crowding the population in the cities. There are more and more parks being established, more people living out of town or at the lakeside in the heated months, more anxiety to get away from smoky streets, noxious sewers, gloomy offices and furnace heated houses. So reform is coming in this direction also.

A bee that works only at night is found in the jungles of India. It is an unusually large insect, the combs are often 6 feet long, 4 feet wide and from 4 to 6 inches thick.

Nothing contributes more to the health of the horse than a clean, sweet smelling stable, and nothing will do more to keep a stable in that condition than land plaster in the stalls.

"Health is the greatest of all blessings, and it is a maxim with me, that a hale cobbler is a better man than a sick king.—Bickerstaff.

Keeping One's Temper.—One of the most difficult things to do, sometimes, is to keep one's temper. A calm serenity of temper and self-control which keeps a person unruffled amid the petty annoyances and ills of everyday life, indicates the possession of perfect mental health. Nowadays people are very fond of saying so-and-so was "just mad," meaning very angry; but it would be well if temper were more often seriously regarded as madness. It may be preventable madness, but madness it is while it lasts, and there is seldom any one who is made more unhappy by it than the person who gives way to it. In our treatment of the ill-tempered the cultivation of the art of not hearing will be very helpful. It is a useful art all through life.—Woman's Life.

Don't Worry.—"The best single rule for a long life," she answered, "is just this: Don't worry. If I added anything else it would be to be always employed in some useful work and to take plenty of sleep." Her theory partly agrees with that of Tesla, the wizard of electricity, who advocates sleep as conducive to longevity. He is quoted as saying:

"I believe that a man might live 200 years if he would sleep most of the time. That is the way negroes live to such great ages—because they sleep so much."

Contentment.—A contented lot is a happy one. A contented person is a useful one, as a rule. Those who preach the doctrine of restless ambition do not really maintain that contentment of the ordinary kind is stagnation, but that satisfaction with the existing order of things would prevent the discovery of improvements and clog progress. Well, some of the improvements are not comfortable, others are. It is not comfortable to dodge autos in crowded streets or to be kept from sleep by the all-night work on city and private property. But against these discomforts are hundreds of nice things, like rapid transit, electric lights and telephones.

King Edward Playing Croquet.—The King has taken up croquet again, and his Majesty played on three afternoons during his stay at Goodwood, on the ground in the private garden behind the house. The royal croquet ground on one of the lawns near Balmoral Castle is to be put into

thorough order during the next month. At one time the ground was played over nearly every day when Queen Victoria was residing at Balmoral, but croquet gradually went out of fashion at court—and elsewhere. However, there has been a general and successful revival of the game of late years.

The humblest occupation has in it materials of discipline for the highest heaven.

We reduce life to the pettiness of our daily living; we should exalt our living to the grandeur of life.

Every day should be sacred. There should be no break between Sabbaths. The cable of divine motive should stretch through seven days, touching with its sanctifying power every hour of every day.

All art is great, and good, and true, only so far as it is distinctively the work of manhood in its entire and highest sense; that is to say, not the work of limbs and fingers, but of soul.

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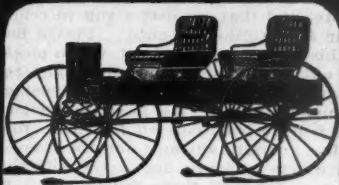
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ROCHESTER, N. Y., FEBRUARY, 1906.

EDITORIAL

X This cross appearing here is intended to call your attention to the fact that this is the time when nearly all of the subscriptions to Green's Fruit Grower expire, and that we desire you to renew your subscription at once. Please find in this issue an order blank, which please fill out and send to us with registered letter, postal money order, postage stamps or coin. We have subscribers which have been entered for three, four or five years in advance and there are a few others which do not expire with this issue. None of these friends need be alarmed, on reading this notice, since they are correctly entered on the books.

Linen or colored clothes worn next the skin promote better health than woolen garments.

It will require less heat to warm your houses if the air is made moist. Always have water in a pan in your furnace.

Men are not judged by what they are, but by what they do. Character is not character until condensed into conduct.

A reader of Green's Fruit Grower writes that he has always read our magazine with interest. He says it appears human and lacks the machine made sound so common in many publications.

Tanning Hides.—G. B. Pierson asks Green's Fruit Grower for a recipe for curing or tanning hides and furs for the making of lap-ropes, etc. He has succeeded in curing them, but cannot make them soft and pliable. If any of our readers have a brief recipe we will be glad to publish it, but for the average man our opinion is it would be better to employ a skillful tanner to do this work than to attempt to do it himself.

Old Time Friends.—Elderly people look back upon the friends, relatives and acquaintances of thirty, forty or fifty years ago and say, "there are no friends like old friends." It is natural for them to think this way, particularly when most of the old friends are buried in the village churchyard, but the fact is that there are friends as true now as ever. The world is progressing in every way and men and women are truer and better now than ever before. This is a good thought to consider during the declining years of life.

Death from a Balloon.—Several years ago Andree and a party of venturesome scientists attempted to reach the region of the north pole by a balloon and perished in the attempt. I am not surprised that men and women will risk their lives in attempting to save other lives, but I am surprised that men will needlessly take such risks as Andree took in an attempt to discover the north pole. Now I learn that Andree is to have a large memorial medal made by Lindberg, the Swedish engraver. The artist represents Andree's balloon rising from the ice. The explorer is looking anxiously toward the North. A group of young men are applauding, while an old man looks toward the horizon doubtfully. Below is the date, July 11, 1897. On the obverse appears the profile of Andree.

Brief Biography.—Brevity in writing is desirable. No one knows this better than the editor. The reader likes brief statements. The Bible is briefly written. Much of its strength is owing to its brevity. Here is the shortest biography ever written: "Methuselah lived nine hundred sixty and nine years and died." It does not indicate that Methuselah ever did much to benefit his fellowmen or that he was in any way remarkable other than in his great age. If he had been a great soldier, a great poet, musician or physician some hint would have been given of this in the Bible record. All of us have lived and we must all die, but most of us hope to do something more remarkable than simply to extend the time of our life in length of years.

General Green.—A recent lecturer on General Nathaniel Green of a Revolutionary family, says that General Green was not only one of the greatest military geniuses of the Revolutionary war, but that General Washington considered him a man of unimpeachable honor and integrity. On one occasion General Washington recommended him as one perfectly reliable on whom dependence could be placed with implicit confidence. Not only this, but it was claimed that General Green was a man of high literary ability for the age in which he lived. Several letters written by General Green were read by the lecturer to prove that he was of a literary turn of mind.

Peaches.—A subscriber of Green's Fruit Grower, in Pennsylvania, asks how to prune peach trees three years planted that were cut back about one-third last spring. Reply: Last year's growth should be cut back at least one-third. Many orchardists would cut back the new growth one-half. Peach trees bear severe pruning much better than many other trees. If you cut back the new growth one-third to one-half, thinning out unnecessary shoots, leaving not more than three or four good strong branches, the tree will be lower headed and will sustain its load of fruit better in future years. It is a good plan to clip off the ends of branches cutting off half of the new growth each season. This will prevent trees from spreading out so far and will be apt to make them more productive of superior fruit.

When the peach tree has borne several crops and has reached the age of six or eight years, and begins to look like an old tree, it is a good plan to dehorn the tree, which consists of sawing off all the branches, leaving mere stubs from three to four feet long. This renews the life of the tree.

Photograph Your Farm.—Few farmers have had their farms or farm buildings photographed. In these days of kodaks and cameras it is not difficult to get a photograph of your farm. This is desirable since it will greatly please your distant friends and relatives to have such a photograph. It will show changes that you are making. How glad you would be to have a photograph of the homestead on which you were born. The old buildings have fallen into decay and new ones have been erected. The old timberlands and orchards have been cut down. Other great changes have been made and will be shown in the photograph. The photograph taken of your farm now will be an heirloom to your children in later years. Should you desire to sell your farm there is no better way than to have a photograph to show to the prospective purchaser, or to the man who is assisting you in selling the farm.

Advice Wanted.—The best advice I can give is that you accept the safest proposition, the one having the least risks after viewing the subject carefully from every point of view. Whether one-half the fruits is the proper reward I cannot say as so much depends upon the soil, location, etc., but generally speaking I should think it would be a good fair reward for what you will do. I have more confidence in fruit growing than in poultry keeping. I have more confidence in money being made from strawberries, raspberries, currants and blackberries, than from orchard trees.

Wet Cellars.—There is no way practicable of cementing a cellar bottom so that water will not percolate into the cellar providing the cellar is located on wet land; that is providing the water naturally drains into the cellar. Many cellars are made wet by the water from the roof coming down the conductor pipe in torrents and being thrown upon the ground near the cellar. If you will conduct the water from these conductor pipes farther away from the house you may be relieved from the surplus water. Yes, I advise spraying in Indiana and do not think you can succeed well without spraying your trees. Apple trees are more often sprayed than the peach or cherry. Different sprays may be desir-

able for different kinds of fruit trees and at different seasons. The barrel spray will throw water as high as you ask about; it is a good spray for the price. It should be connected with a hose pipe twelve feet long, the nozzle held up in position with a pole.—Editor G. F. G.

What Science Says.—Scientific men tell us that all animals at one time had no interior skeleton but an exterior one, something like the reptiles, dating back to the reptilian age. During the process of evolution certain reptiles learned to fly and became birds and the outer scale or skeleton was turned into feathers. We do not realize that the skin of man is covered with scales at the present day since they are so small as to not be seen with the naked eye, but such is the fact. These scales are constantly falling off and being replaced by new ones. It is claimed that it is the skeleton of man which causes his death at an advanced age. The tendency ever is towards crystallization.

Should the truth be told.—The old maxim reads "The truth is not for all times and all places." The editor who tells the truth, sometimes called the naked truth, will frequently offend his readers. The man who attempts to tell the truth does so with the intention of being helpful to his readers, but there are many people not strong enough to hear truth on certain subjects. These good people have their peculiar ideas, which have not been developed by their own thoughtful consideration, but have been torn into them, that is inherited from their ancestors. These people are not pleased to hear the truth. Indeed they will not accept as truth statements that conflict with inherited beliefs.

In polite society certainly we are not to come forward bluntly with everything that might truthfully be said, for fear of giving offense, otherwise we might remark to a very interesting and talented lady that her nose was too blunt, or that she was cross-eyed, or in other ways give offense. When the lady of the house apologized for the poor bread or pie we might thoughtlessly remark that they were indeed poor, that we had seen worse, but not of recent date. A minister who would stand before his congregation and tell the truth would not long remain in that church. The doctor who would tell his patients the truth would die poor. The doctor does not dare tell his patient that as a matter of fact there is nothing wrong with him except that he is eating too much, for the patient would look for another physician. But while we might not on all occasions tell that which is true there is no excuse for our uttering falsehoods. Nothing so belittles man, woman or child as the vicious habit of lying. No liar ever accomplishes much.

Glad Of It.—A prominent man now in his old age has recently said, "I consider myself fortunate in having spent my early childhood in the country and in having grown up in simple and modest circumstances." The editor of Green's Fruit Grower heartily indorses these sentiments. I have perhaps a thousand times expressed my gratitude for having been born and brought up on a farm. I am equally grateful that I was not brought up in luxury by wealthy parents. I am convinced that money is not the best thing that we can bestow upon our children. One of the best things is a happy home with happy surroundings. These make impressions upon the mind of a child and influence its life forever after. There is no spot dearer to me than the old farm upon which I was born and where I spent so many happy years. There is no spot I see in my dreams more often than this old farm. For me it is a veritable fairyland. Not having been spoiled by luxury in my early years

and having been inured to hardship I am better fit to meet the trials of life. The pampered youth, the boy who has been brought up like a hot-house flower, is not satisfied unless he is ever getting the best that the world has to offer. He wants the best piece of bread, the largest piece of pie, the most cake, the best bed. He must ride in the best carriage, the best car, and stop at the best hotels and he must be clad in the most expensive garments. His house must be in the most fashionable quarter and must be equipped at great expense. If the poor man's son makes serious blunders at his work he is discharged, and learns a valuable lesson. The rich man's son is retained in spite of his blunders. I am glad that if necessary I could live upon a crust and be thankful for even that. If need be I could rest contented in a bark cabin in the wilderness, with rude clothes and with rugged companions.

The Woodbox.—How hungry is the woodbox. As a boy when we burned wood in old times I can remember how often the woodbox needed filling, since I was the one relied upon for this work. Many people continue to burn wood. Everybody uses wood for kindling hence the importance at this season of planning for the supply for the coming year. A good provider may be known by the condition of his wood-pile. The question is asked, is it cheaper to draw the wood to the house and have it sawed by machinery, or is it more economical to have it cut up into stove-wood lengths in the woods? If fire-wood is handled when it is green and full of sap much more strength is required on the part of man and beast than if the wood is handled when it is dry. This is an argument in favor of sawing the wood into stove lengths with a crosscut saw in the woods, splitting the wood there and piling it up, allowing it to remain until it becomes seasoned. This is our practice at Green's fruit farm. Timber loses nearly half its weight on being seasoned.

Water on the Farm.—An iron watering place has been established near the office of Green's Fruit Grower in the city of Rochester recently, and as I pass it several times each day I notice how frequently horses are driven to the place for a drink. This reminds me of what suffering would occur in the absence of this watering place. Farmers, fruit growers and others coming into Rochester, or leaving, pass this watering place in large numbers. The horses soon learn where water can be secured and naturally indicate to the driver a tendency to lean that way when they pass this watering place, even if the driver forgets that his horse may need water, as they frequently do. How many farms there are which are poorly provided with an abundance of pure water. There are many who do not appreciate the importance of water to every living creature at regular intervals. Digestion cannot proceed regularly without a constant supply of water. If I eat a dinner without some liquid, or without drinking water after eating, I feel drowsy or ill at ease. I do not doubt that the farmers of this country lose millions of dollars by not having water available when desirable for their cattle and other live stock.

King Solomon who had great wealth, drank deeply of every cup of sensuous pleasure, and at the end of his earth life said of pleasure, "Vanity of vanities; all is vanity." All the wealth of the world cannot bring happiness to men who live for pleasure alone. The elder Vanderbilt, with eighty millions of dollars, said just before passing out of his body, "I am poor and needy; yes, poor and needy." Wealth acquired for pleasure alone is a false god.

A man who never made a mistake never made anything.

Does This Mean You?

A number of subscribers of Green's Fruit Grower have not yet renewed their subscriptions for 1906. Will you favor me by sending in to me your renewal at once? "Act well your part, there all the honor lies." Simply pin \$1.00 to the attached order blank, mail it at Green's risk, and get Green's Fruit Grower for 3 years.

PLEASE ENTER MY SUBSCRIPTION

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County

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I enclose herewith \$1.00 for which please enter my subscription paid for three years.

To the Publishers of GREEN'S FRUIT GROWER, Rochester, N. Y.

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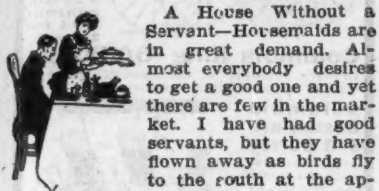
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EDITED BY MILDRED GREEN BURLEIGH.



A House Without a Servant—Housemaids are in great demand. Almost everybody desires to get a good one and yet there are few in the market. I have had good servants, but they have flown away as birds fly to the south at the approach of winter, therefore I have been compelled to do my own housework. There is compensation in all things. There is a pleasure in doing ones own housework, weary as one gets sometimes. First and most important is the thought that so much may be saved by doing your own work. It seems natural that the hired servants should be wasteful and not saving. She concludes that the master of the house is a rich man and that there is no necessity of being economical. She is apt to burn twice as much coal as is necessary, and keeps the fire burning when none is needed. Too much bread may be cut for the table and that which is left over is handled so carelessly that it is never used again, but is thrown into the waste basket or barrel. In the peeling of potatoes, peaches or other items the housemaids are apt to be in a hurry, and as a consequence the peelings are two or three times as thick as they should be. There is wastefulness on every hand in many kitchens. Servants do not seem to like to bother with working their heads. They think if they work their hands and their bodies they are doing enough without working their heads. But you and I, the ladies of the house, have been taught to use our heads, thus we practice many economies, and many time saving methods that create revolution in the kitchen.

The wife who loves her husband and her children will take delight in serving delicacies cooked by her own hands. She will take pride in serving dishes in the most attractive form possible, both as regards looks and seasoning and flavoring. Yes, I can console the friend whose housemaid has left since there is compensation.—Susan Jeffords.

Woman.—The truth is, that though the old order has changed in many ways, and women, married and unmarried, are wage earners to an extent not dreamed of half a century ago, it remains as true as it was then, that the duties and labors of married life are incompatible with outside occupations. That there are exceptional cases only proves the rule, and nine times out of ten where these exceptional cases are studied, it will be found that a woman who is at once a housekeeper and a provider is taxed beyond her strength. Not even a man can carry on two professions at once with success. The Illinois would-be governor who has the welfare of his fellowman in mind should think of a better plan for his benefit.

Cheap Cookies.—These can be made as follows: Cream half a cup of butter or shortening with one cup of sugar. Stir in half a cup of sour milk, in which a third of a teaspoonful of soda has been dissolved. Spice the mixture to suit the taste, and sift in enough flour to make the batter rather stiff. Roll the dough out on a floured board until it is of waferlike thinness. Cut it out with a large biscuit cutter into cookies or wafers and bake until brown and crisp. These "eggless" sugar cookies can be flavored with lemon or nuts or chocolate instead of the spices. The school children will appreciate them in their luncheon baskets.

Nothing Better—Because it is Best of All.

For over sixty years Mrs. Winslow's Soothing Syrup has been used by mothers for their children while teething. Are you disturbed at night and broken of your rest by a sick child suffering and crying with pain of Cutting Teeth? If so send at once and get a bottle of "Mrs. Winslow's Soothing Syrup" for children Teething. Its value is incalculable. It will relieve the poor little sufferer immediately. Depend upon it, mothers, there is no mistake about it. It cures diarrhoea, regulates the Stomach and Bowels, cures Wind Colic, softens the Gums, reduces Inflammation, and gives tone and energy to the whole system. "Mrs. Winslow's Soothing Syrup" for children teething is pleasant to the taste, and is the prescription of one of the oldest and best female physicians and nurses in the United States, and is for sale by all druggists throughout the world. Price, twenty-five cents a bottle. Be sure and ask for "Mrs. Winslow's Soothing Syrup." 1840-1906.

Should Schoolma'ns Marry.

I have great respect for school teachers, many of which are subscribers to Green's Fruit Grower. In my opinion school teachers are poorly paid; they work hard for the little money they receive. I see no reason why a school teacher should not make a good wife, yet it is possible for one who has taught school for a period of ten or fifteen years to become dictatorial and somewhat soured in disposition. I give below the views of the Rochester Democrat and Chronicle on this subject, but I do not agree with them. I think they are altogether too severe.

"Although I have only been teaching three years, my experience has been unusually wide, for I am a substitute. I go from school to school for a few weeks at a time to take the place of teachers who are sick. In this way I come in contact with all sorts and conditions of schoolma'ams, which the average teacher, who is tied down to one school, cannot do.

"I suppose I shouldn't say anything against my own class, but, to tell you the truth, they're the worst set of dried-up frumps in the world. They are old maids before they are 30. It just comes natural to be an old maid after you have taught school for a few years. I begin to feel the tendency creeping over me already, and once in a while I have to break out and do something that shocks the others, just to remind myself that I'm still human.

"Theoretically, I don't think the schoolma'am ought to marry. She will lecture her husband as if he were her pupil, and as for her children—well, they will be in school all the time. If I were to teach much longer, I know that I'd never be fit for anything else. I'd be just a horrid old mummy, like the rest of them. But I'll soon be out of it, thank goodness.

"How is that?"
"Well, you see, I'm going to be married in two months' time," she confessed, with a blush. "Perhaps I shouldn't, but I'm not mummified yet."

"But," she hastened on, "it's also my belief that the male teachers—the 'he-hens,' as we always call them—are no more fitted for the wedded state than are we schoolma'ams, taking us big and large. Why, when I think of it, I really do believe that they are even less fitted for married life than we poor women. People say that teaching school makes lots of the school ma'ams too masculine, but my, how feminine it makes lots of the men! Why, they acquire all the mean and petty tricks of women and display them in a much meaner and pettier form.

"I know a poor little woman who married a 'he-hen.' He leads her a perfectly miserable life with his finicky ways, and, like many 'he-hens,' he's a mass of conceit. Most men have a good opinion of themselves, and women like it; but this man is simply incapable of believing that anything can be properly done unless he has a finger in the pie. That's his school training, you know.

"Why, he insists on buying all his wife's clothes, saying that she is extravagant and tasteless. When a woman consents to that, you may write her down an angel and a martyr. She has nearly wept her eyes out about it, but the 'he-hen,' unlike other men, can never, never be moved by tears. He has made too many children cry—yes, and young girl teachers too."

Better a live politician than a dead hero. A man isn't necessarily a sign painter because he believes in signs.

Excessive modesty has kept many a deservng man's nose to the grindstone.

Some women seem to think it a duty to talk scandal because it pleases their friends.

When a girl under 25 declares she will never marry she hopes she isn't telling the truth.

There is said to be a lot of grafters in Delaware of both the peach-tree and political varieties.

Hope springs eternal in the human breast. Every married man hopes to be able to do just as he pleases some day.

A girl is always anxious to possess an engagement ring because of the pleasure it will give her to show it to other girls.—Chicago "News."

Woman's Way. Another man said he did not think it was much use to try to keep the women informed about the business, for they do not see things as men do. To illustrate: A man came home and instead of retiring as usual, he roamed nervously through the house. At last his wife asked him why he did not go to bed and rest. "Annie, I can't," he declared, "if I do go to bed I cannot sleep. I owe Smith a note of \$100 due to-morrow, and I don't know where the money is coming from." "Is that all; then let Smith do the worrying, as he is the one who loses the money, and you go to bed," replied the dear wife.

Snakes in Our Home.

Editor of Green's Fruit Grower: The deadly rattlesnake is abroad in Oklahoma, but I do not see anything in print about the bull snake which is formidable enough to scare an Eastern girl. One warm afternoon I was in our little "shack" ironing when I saw the huge body of a snake crawling past the open door. It stopped, and by going a little nearer I could see its tall a foot or so beyond the door. I ran to the window, thinking I would get some one to come and kill it. In an hour it crawled down a hole nearby. But our adventure with the snake was not over. That evening the grocer's boy brought our gasoline can full of oil. I asked him to take it into the cave. In a moment there was a great thumping and crashing and strong odor of gasoline. I begged the boy to come out, which he did, saying that if the confounded thing had not raised such a smell he would have settled it soon. He laughed when I told him the smell was the gasoline. He said as he put the can on the floor something struck him a stinging blow on the head, then another blow, and looking up he saw the body of the snake hanging from a shelf and lit into it. Next morning the interior of the cave looked as if a cyclone had struck it. Among the debris was the body of the snake stifled by the gasoline. It measured nine feet in length and over twelve inches in circumference at the thickest part.—Clara B. Alexander.

Delays Are Dangerous.

There is a girl resident of West Green street who has learned that so far as a proposal is concerned he or she who hesitates is lost, says Philadelphia "Record." A very eligible and estimable young man had long been making it evident that his attentions to her were serious and the other evening he made a formal declaration. She could not even put forward the orthodox ruse about the suddenness of the proposal. Being of a rather vacillating turn of mind, she said she could not give him a decided answer. "I am not at all sure that I love you," the girl declared; "you must give me time to think about it." Considerably taken aback by what he considered her lack of decision of character the young man agreed to wait a week for her final decision. So the week but not yet won maiden went to her bed that night pondering deeply. About 12 o'clock she was awakened to receive a telegram which read: "You need not mind about deciding that matter until next week; I've found a girl who said 'yes' to-night."

An Old Love Letter.—A French paper records the discovery of what appears to be the oldest love letter in the world. It was written on a brick, about 2,200 B. C., by a Babylonian to a lady living at "the two Sippers," a city known to readers of the Old Testament of Sepharvaim. The lovers name was Gimil, and he writes as follows to Kasbaya—a word that means a lamb: "May the sun of Markuk give thee eternal life. I would fain know if thy health is good. Send me a message so that I may be informed of it. I am at Babylon and cannot see thee, and therefore am very anxious. Send me a message to tell me when thou wilt come, so that my heart will rejoice. Come in the October-November month. Mayest thou live long, so that I may enjoy thy love."—Exchange.

It Was Almost a Giveaway.

"I told him that I gave him all my love."
"Yes?"
"And all my life?"
"Yes?"
"That I was his, heart and soul, for time and eternity."
"Yes?"
"And then I asked him what his income was. He said a thousand a year."
"Well?"
"Gee, but I felt cheap."—Fort Worth "Record."

At the recent annual meeting of the British Medical Association Dr. Theodore B. Hyalop, superintendent of Bethlem Royal Hospital, a specialist in neurology and in the treatment of mental disease, said: "As an alienist and one whose whole life has been concerned with the sufferings of the mind, I would state that of all hygienic measures to counteract disturbed sleep, depressed spirits and all the miserable sequels of a distressed mind, I would undoubtedly give the first place to the simple habit of prayer."—Outlook.

When it comes to kissing two heads are better than one.
The woman who buys things has but little time for shopping.
Every man knows too many things that are none of his business.



Let this "1900" Gravity Washing Machine do your Washing Free.

An unseen power, called Gravity, helps run this washing machine. By harnessing this power, we make it work for you. You start the washer by hand, then Gravity-power takes hold and does the hardest part. And it makes this machine turn almost as easy as a bicycle wheel does. Gravity, you know, is what makes a stone roll down hill. This machine has just been invented and we call it the "1900" Gravity Washer. There are slats on the inside bottom of the tub. These slats act as paddles, to swing the water in the same direction you revolve the tub. You throw the soiled clothes into the tub first. Then you throw enough water over the clothes to float them. Next you put the heavy wooden cover on top of the clothes to anchor them, and to press them down. This cover has slats on its lower side to grip the clothes and hold them from turning around when the tub turns. Now we are all ready for quick and easy washing. You grasp the upright handle on the side of the tub and, with it, you revolve the tub one-third way round, then Gravity pulls it the other way round. The machine must have a little help from you, at every swing, but Gravity-power does practically all the hard work. You can sit in a rocking chair and do all that the washer requires of you. A child can run it easily full of clothes.

When you revolve the tub the clothes don't move. But the water moves like a mill race through the clothes. The paddles on the tub bottom drive the soapy water THROUGH and through the clothes at every swing of the tub. Back and forth, in and out every fold, and through every mesh in the cloth, the hot soapy water runs like a torrent. This is how it carries away all the dirt from the clothes, in from six to ten minutes by the clock. It drives the dirt out through the meshes of the fabric WITHOUT ANY RUBBING, without any WREAKING and TEAR from the washboard. It will wash the finest lace fabric without breaking a thread, or a button, and it will wash a heavy, dirty carpet with equal ease and rapidly. Fifteen to twenty garments, or five large bed-spreads, can be washed at one time with this 1900 "Gravity" Washer. A child can do this in six to twenty minutes better than any able washer-woman could do the same clothes in TWICE the time, with three times the wear and tear from the washboard.

This is what we SAY, now how do we PROVE it? We send any reliable person our 1900 "Gravity" Washer free of charge, on a full month's trial, and we even pay the freight out of our own pockets. No cash deposit is asked, no notes, no contract, no security.

You can use the washer four weeks at our expense. If you find it won't wash as many clothes in FOUR hours as you can wash by hand in EIGHT hours, you send it back to the railway station, —that's nothing.

But, if, from a month's actual use, you are convinced it saves HALF the time in washing, does the work better, and does it twice as easily as it could be done by hand, you keep the machine.

Then you mail us a cent a week till it is paid for. Remember that 50 cents is part of what the machine saves you every week on your own, or on a washer-woman's labor. We intend that the 1900 "Gravity" Washer shall pay for itself and thus cost you nothing. You don't risk a cent from first to last, and you don't buy it until you have had a full month's trial. We have sold upwards of half a million "1900" Washers on a month's free trial and the only trouble we've had has been to keep up with our orders. Could we afford to pay freight on thousands of these machines every month, if we did not positively KNOW they would do all we claim for them? Can you afford to be without a machine that will do your washing in HALF THE TIME, with half the wear and tear of the washboard, when you can have that machine for a month's free trial, and let it PAY FOR ITSELF? This offer may be withdrawn at any time it overflows our factory.

Write us TODAY, while the offer is still open, and while you think of it. The postage stamp is all you risk. Write me personally on this offer, viz.: R. F. Biebet, General Manager of "1900" Washer Company, 6214 Henry St., Birmingham, N. B., or 35 Yonge St., Toronto, Canada.

What a Man Should Do.

Rise when a woman enters the room. Remain standing until she is seated. Give her his chair if there is no other. Open the door for a woman to pass through. Hold it open and let her pass through first if it opens toward them. Pass through first and hold it open for her if it opens from them. Turn and walk with her if he joins her on the street, and not stop her to converse. Throw his cigar or cigarette away before he joins her, of course. Not offer to pay her carfare unless he is her escort by intention and not merely her companion by accident. Remove his hat completely when greeting a woman or when his woman companion greets an acquaintance.

"A Poor Stove is Not
Cheap at Any Price"



Note the interlocking prongs or fingers to this grate, insuring a free access of air for a perfect fire—an arrangement for weight and strength to withstand the destructive action of heat longer than any other grate we know of. This substantial fire box can be changed from coal to wood burning in a few seconds in the incomparable

STERLING RANGE

and is oval in shape so that no corners are left for clinkers to form, or ashes to accumulate. The heavy brick lining outlasts five ordinary sets and also extends along the entire width of oven front for absolute protection to that vital part when wood is burned.

We have only partly described one of over twenty exclusive features which make the **STERLING RANGE** "worth its weight in gold", and a postal card request will bring you full information. There are no "just as good" arguments, and if your dealer does not keep the **STERLING**, we will be pleased to refer you to one who knows "it has no equal".

SILL STOVE WORKS,
Rochester, N. Y.



No. 331. Canopy Top Surrey. Price complete, \$65.00. As good as sells for \$35.00 more.

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Our vehicles and harnesses have been sold direct from our factory to user for a third of a century. We ship for examination and approval and guarantee safe delivery. You are out nothing if not satisfied as to style, quality and price. We are the largest manufacturers in the world selling to the consumer exclusively. We make 300 styles of Vehicles, 65 styles of Harness. Send for large free catalog.

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No. 10. Single Collar and Harness. Price complete, \$15.00. As good as sells for \$5.00 more.

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A FARMERS HANDY WAGON

WOOD OR STEEL WHEELS
is the handiest thing on the farm. because it is the one wagon for every farm purpose; because it does work no other sort of a wagon is suitable for; makes work lighter for horse and man; loads and unloads easier than the high-wheel wagon; runs lighter over any kind of ground; wears longer and sells at a reasonable price. Sold by dealers everywhere. 48 page catalog tells the whole wagon story. Send direct to us for a copy—you'll be interested in the story.

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Branches: Kansas City and Des Moines.
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THE ANDERTON MFG. CO.,
32 Third Street, Cincinnati, Ohio.



Bees.

Written for Green's Fruit Grower By
George B. Griffith.

What a concourse is here at the opening of a hive of bees! Never was the public square of a great city witness of such agitation! Some bees are issuing in great haste, and flying away to a distance in search of provisions, whilst others are returning loaded with them. Let us ascertain what the bees thus go to seek in the neighboring country, the first thing is a sort of resin, called propolis, which they find upon certain trees—firs, yews, birches, etc., next, pollen, or the fecundating powder of flowers, of which they make bee-bread; and then they plunder the nectaries of flowers for a juice which becomes honey.

Here is one bringing materials; after having rolled itself in the pollen of flowers, it has, with its hind-feet made spoon fashion and armed with hairs as rough as those of a brush, gathered together in little pellets the grains of pollen which have remained about the hairs with which its body is covered. There are five or six bees whose baskets are well laden. Some have collected their burden from a single flower; and it is easy to ascertain from what flower, however far it may grow from the hive. The powder this one bears is white; the bee has been wallowing, if we may use such a word, in a mallow, whilst his companion,

The "I. G." also remembers at noon, or when the guest room has the most blaze of sunlight, to close the blinds or drop the awnings, thus helping to keep fresh her hostess's dainty furnishings.—Harper's "Bazar."

Apple or Cigar.—In a conversation with William Dean Howells not long ago Mark Twain was relating some of his experiences before he became famous. "My difficulties taught me some thrift," he observed. "But I never knew whether it was wiser to spend my last nickel for a cigar to smoke or for an apple to devour." "I am astonished," observed Mr. Howells, "that a person of so little decision should meet with so much worldly success." Mark Twain nodded very gravely. "Indecision about spending money," he said, "is worthy of cultivation. When I couldn't decide what to buy with my nickel I kept it and so became rich."—Exchange.

Mosquito story. Wish you could have seen some of the mosquitoes I saw down in Cuba awhile ago. They'll run up a tree and bark like a dog, and when they tackle a man they not only eat all they can hold, but bite out huge chunks and throw 'em away."

"Yes, that's right," said another. "What do you think they did to a native there one day? Well, sir, he was fixing a huge iron kettle to boil cane juice in, when he heard a swarm of 'em com-



This is the season for overhauling mowing and reaping machines, plows, cultivators, hoes, harrows, shovels, forks, and other farm tools in order that they may be repaired ready for the time when they shall be needed. If the tools have not been protected from rusting by cleaning them and covering the polished surfaces with grease the work cannot be done too soon.

ion, covered with brown powder, has been plundering the tulips. That yellow pollen comes from the blossom of a melon, etc., etc. Some of those who arrive enter the door; others deliver up their provisions to other bees who receive them at the door, and as soon as they have got rid of their burden they resume their flight. They are not at all less busy inside of the hive than without; these make with wax hexagonal cells, in which others come and disgorge honey. Other cells are kept empty; these are the nests destined for the young bees.

The government of the bees has with reason been represented as a model of the best monarchy that can possibly exist; but it was very wrong to give them laws and a code, judges, advocates, and gendarmes.

What constitutes the excellence of this government is, that the bees have none of these, and they don't want them, because every one has its part to play, and never dreams of playing another; because workers never think of becoming drones, and drones never intrigue to be above queens.

Editorial Repartee.—A friend of mine, a London editor, controls two daily papers and a farm in Warwickshire. There is a legend that the members of his staff who seek his special graces buy the editor's eggs. "Do you know," one of them, greatly daring, is reported to have said to him, "two of your eggs I had yesterday were not what you might call truly rural?" "Indeed!" said the editor, grimly. "And that article of yours in yesterday's issue didn't seem to me quite new laid!"

The "ideal guest" makes the care of her room as easy for the maid as possible. When she leaves it in the morning the bed is stripped and the mattress turned to air. When she leaves it for dinner or supper in the evening, all her own belongings are carefully put away in closet or drawers, thus making no "picking up" after her—work which is wearing to the maid and which takes much time.

ing, and he tipped it over and crawled underneath. As they lighted upon it and stuck their probes through he grabbed his hammer and headed them over until finally they picked the kettle right up and flew away with it."—Exchange.

Finding Gold.

How often adventurous men start out for Alaska to endure untold sufferings in search for gold in the Klondike, and who have returned poor and broken down in spirit, when unknown to them there existed upon their own farm a valuable gold mine. If I should offer to inform

you about a gold mine on your farm for \$5.00 how quick would you accept my offer. Green's Fruit Grower is continually telling people of gold mines on their farms. It does not cost you \$5.00, nor even \$1.00 to get this information through Green's Fruit Grower by subscribing for it one year. It tells you how to make money on your farm by devoting the land to the culture of strawberries, raspberries, blackberries, grapes, or to apples, pears, peaches, plums and quinces instead of devoting the land to corn and potatoes. Now is the time to subscribe for Green's Fruit Grower. On January 15 the price will be increased to 60 cents per year if paid in advance, or \$1.00 per year if not paid in advance. Notice our club offers.

The Kansas corn stories are growing more and more imposing. Here is the latest: "A sad home-coming was that of Mrs. Jerry Judd, the wife of a prosperous farmer in Gentry county, near Albany. The old farm produced a wonderful corn crop this year, and Mr. Judd had selected the largest ear in his fields to show his wife, who had been visiting her mother in Albany. As she returned home Mr. Judd came out on the front porch with the great ear of corn on his shoulder. The porch broke down beneath the weight, and the ear of corn fell across Mr. Judd's leg, breaking both of them above the knees."

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"Are you almost weary with life, my dear?
I will sing you a glorious tune
That will bring you to happiness, very
near.
"Do something for some one soon."
The clouds may be dense overhead, my
dear,
And heavy as lead your heart;
But the glad sunshine is waiting to cheer,
If you will only do your part."

He that holds fast the golden mean,
And lives contentedly between
The little and the great,
Feels not the wants that pinch the poor,
Nor plagues that haunt the rich man's
door,
Embittering his estate.

—Cowper.

Facts Worth Knowing.

Written for Green's Fruit Grower,
By George B. Griffith.

The Torricellian tube was the name originally given the barometer, so called after its inventor, Vvangelista, the illustrious mathematician and philosopher of Italy; who, between the years 1641 and 1647, discovered the method of ascertaining the weight of the atmosphere by a proportionate column of quicksilver.

The first Englishman to construct a barometer of this kind, and sell the same, was one Jones, a noted clockmaker in the Inner Temple Gate at London, at the instance of the Lord Keeper Guildford.

The piece of glass on which the poet, Oliver Goldsmith, inscribed his name when a student in Trinity college, Dublin, has been inclosed in a frame and deposited in the manuscript room of the college library, where it is still to be seen.

Aristotle states that a horse lives about thirty-five years, and a mare above forty. He adds that horses have been known to live seventy-five years. The average age of the horse, in modern times, falls far short of that stated in this passage. Buffon gives an interesting account of a draught horse that lived to the age of fifty (1724 to 1774), that is, says Buffon, double the age of his race.

Some years ago, during a very wet season, a meadow in Gloucestershire, England, was covered in a single night with a fungus called water flannel, and the villagers, after much surprise at the phenomenon, proceeded to cut off pieces, which they used instead of flannel in the fabrication of garments for themselves and families, strange as it may seem.

During a severe hail-storm at Vicksburg on the afternoon of Friday, May 11, 1894, a remarkably large hail-stone was found to have a solid nucleus consisting of a piece of alabaster from one-half to three quarters of an inch thick. During the same storm at Bovina, eight miles west of Vicksburg, a gopher turtle six by eight inches, and entirely encased in ice, fell with the hail.

That to live by one man's will became the cause of all men's misery.—Ecclesiastical Policy.

If there be no greater love in the beginning, yet heaven may decrease it on better acquaintance, when we are married and have more occasion to know one another; I hope upon familiarity will grow more contempt.—Ibid.

Silence is the perfectest herald of joy; I were but little happy if I could say how much.—Ibid.

Each man stands at the center of a great network of voluntary influence for good.—Boston "Herald."

"It isn't the thing we do dear,
It's the thing we leave undone
That causes a bit of heartache
At the setting of the sun."

Big Ants.—The American truth-teller was in form. "Talking of ants," he said, "we've got 'em as big as crabs out West. I guess I've seen 'em fight with long thorns, which they used as lances, charging each other like savages." "They don't compare to the ants I saw in the East," said an inoffensive individual near by. "The natives have trained them as beasts of burden. One of 'em could trail a ton load for miles with ease. They worked willingly, but occasionally they turned on their attendants and killed them." But this was drawing the long-bow a little too far. "I say, old chap," said a shocked voice from the corner, "what sort of ants were they?" "Elephants," said the quiet man.—"Tit-Bits."

"Then he went on to say that the week before, as he was passin' the collection plate, an old lady hustled in late. She hurried down the aisle, stopped by my uncle a second, dropped a copper in the basket and moved to a seat.

"Uncle O'Musgrave was just trimmin' the last pew when the old lady come a-hurryin' back again. She snatched a cent from the basket and was passin' out of the vestibule when Uncle O'Musgrave grabbed her arm.

"Say," he muttered, 'why in thunderation do you come in here, drop a cent in the collection and then take it out again and leave?'

"The old woman shook him off impatiently.

"I'm in the wrong church," she said."

—New York "Times."

Gambling.—Chauncey Depew says: "I have seen in my vast employment so much misery from the head of the family neglecting its support and squandering his earnings in the lottery or the policy-shop and promising young men led astray in a small way, and finally becoming fugitives, or ending by being criminals, that I have come to believe that the community, which licenses and tolerates public gambling cannot have prosperity in business, religion in its churches or morality among its business people."

Tea.—I remember to have read, I believe in the travels of the Abbe Huc, that when the Chinese desire to be thrifty in the use of the finer and more expensive teas, they grind the leaf to powder and use less for the infusion. We found that tea could be ground in a coffee mill as easily as coffee; that tea made with the powder is as good as or better than when made with the whole leaf, and that the powder, as it naturally would, goes further than the tea leaf.—London "Times."

Men and Work.—Leroy Scott, a man engaged by a magazine to study "the unemployed and their needs," in the United States, declares after prolonged investigation that in this country the problem is "not to find work for men, but men for work." In his opinion 90 per cent. of the men out of work in this country do not want to work.

Mr. Newlywed—"By the way, dearest, did I ever tell you about that beautiful heilress who once wanted me for a husband?"

Mrs. Newlywed—"No, dear; you have never told me a lie yet—that I know of."

—Exchange.

Although paper money is soft it is often hard to get.



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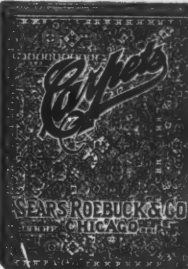
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Tells just how each part from the case to the most important part is made; illustrates the various parts and shows by a very practical and complete description and explanation the duty and requirements of each; tells why we make them with such care, and exposes the secrets of the construction of cheap telephones; shows why they can be sold cheap, and why they should never be used on farm lines. It shows why Stromberg-Carlson telephones will outwear any other farm telephone made and how we produce an instrument that practically will never get out of order. Cheap telephones are invariably out of service just when you want them most; they quickly lose their talking qualities and are a constant source of annoyance and expense, simply because they are not made right. The principle of operation is just the same in a cheap telephone as in a good one—the difference all lies in the construction, the better materials used, and the greater care and skill employed in the making. We would like to have you read this book. Simply drop us a postal card asking for "23G," "How the Telephone Helps the Farmer," and we will send it to you by return mail. Do it today before it slips your mind.

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Our Orchard Department.



AN APPLE TREE 145 YEARS OLD.

The above apple tree was planted at Francistown, N. H., by Samuel Nichols in 1761, which makes it 145 years old. It is 16 feet 2 inches around the trunk. Mark E. Morse, tells us about this tree and sends photograph. He picked apples from the tree this season. Mr. Morse is in his ninetieth year. You who plant apple trees not only gather the fruit yourselves but you plant for a future generation.

San Jose Scale and Spraying.

Written for Green's Fruit Grower by
A. E. Stone, superintendent Rhode Island College, Extension in Agriculture.

The advent of this insect brought forth a very perplexing problem to the fruit grower. When its capacity for mischief was recognized, it was thought that fruit growing was doomed, at least for those varieties which the scale seemed to attack most readily. It's nature was early realized by Professor Comstock who first described it and he well named it "the pernicious" scale. Time has proven, however, that its injurious character has been somewhat overestimated. Such waves of dismay are not new. The potato bug when it first spread over the country, was supposed to have doomed the potato industry in nearly every section. In like manner the yellows in peaches seemed to make it impossible to raise that fruit in localities where the disease had gotten a foothold.

The presence of this scale, while undoubtedly of great injury to our fruit industry in many ways, has not been without its blessings. It has compelled greater care and closer study on the part of fruit growers in order to succeed in the work. The direct results of such study have been better acquaintance with the details of the business; better fruit, and higher ideals. This has brought better prices because instead of selling merely the products of the soil, the brains of the grower have been mixed in, and brains always bring high prices. And not only this, but it improves the fruit growers as a class and ennobles the calling. It has driven a great many people out of the business who would scarcely ever make a success of it no matter how easy the work could be made, and in this way it has reduced the quantity of indifferent fruit which is sent to the market. It promotes concentration and specialization.

The necessity for treating the San Jose scale has brought on improvements in spraying machinery and spraying mixtures. This has accrued to the benefit of spraying against other insects and against fungus diseases, and has developed greater efficiency on the part of the workers in applying the remedies.

A great many remedies against the scale have been brought out. The first one was coal oil in some form. This was efficient in destroying the scale, but it had the disadvantage of being, under certain conditions, destructive to the trees as well. Various attempts have been made to produce mixtures of this oil, or its products, which should have its general efficiency and yet not be injurious to the trees. Some success has been attained along this line, and there are many thorough students of the work who believe that some of these are the most efficient remedies on the market to-day. Another, and much more widely used remedy is the lime, sulphur and salt wash. This was brought out in California where the scale was first discovered, and has been thoroughly tested all over the country. The results show that when well prepared, it is the best and safest remedy we have at the present

time. The combination of the lime and sulphur is brought about by boiling and also by the use of caustic soda and carbonate of soda. The first method is the best, but where it is impracticable to use it, the result can be obtained by the use of one of the other two and the resulting mixtures are nearly as efficient. Another remedy brought out during the last two years by the Delaware Experiment Station is the so-called limoid-kerosene mixture. This consists of an emulsion of fine hydrated lime powder, kerosene and water. During the past season it has been extensively tried all over the country. The results are in most cases very satisfactory. During last spring, the Extension Department of the Rhode Island College of Agriculture and Mechanic Arts conducted quite a large number of co-operative experiments in the use of this remedy and the results have been quite uniformly good. When used side by side, however, with the lime-sulphur washes, it has been found that the new remedy is not quite as efficient as the older ones. As it can be prepared much more easily than the lime-sulphur washes, however, it seems to be a remedy which can be recommended to the small fruit grower who has not the necessary apparatus for making the better remedies. Those who wish to use it should spray both fall and spring. One or two summer sprayings with a 10 per cent. mixture would not be amiss where the trees are thoroughly infested.

Remedy for San Jose Scale.

Many fruit growers know the San Jose scale from sad experience. These, and any others whose plants are affected with this pest, should prepare at once to spray them with the Lime-Sulphur preparation. This is the best time to treat the San Jose scale, for we have much more leisure time now than in the spring, and other work is not so pressing. If this work is postponed until spring, it may not be done at all. Besides, it has been proven that thorough spraying in the early fall with the Lime-Sulphur wash is quite effective against this pest.

The formula recommended for use in this state is as follows:

Lime (unslacked), 30 pounds; sulphur, (flour or flowers), 30 pounds; salt, 10 pounds; water, 100 gallons.

For use in small orchards use a spray pump, mounted on a fifty gallon barrel, and one-half of the quantity of materials. This quantity can be made in an ordinary iron kettle of about twenty gallons capacity, and need be boiled only forty minutes, if boiled vigorously.

This wash is much cheaper than kerosene and some patent washes on the market, and is not difficult to prepare. Reports No. 141 and No. 152 from this office in conjunction with the Virginia Experiment Station, give further particulars in regard to this matter. These publications will be mailed upon request to the undersigned.

J. L. Phillips, Virginia State Entomologist, Blacksburg, Va.

"Seeing is believing," is an old saw.

Bright's Disease and Diabetes Cured

Under the auspices of the Cincinnati Evening Post Five Test Cases Were Selected and Treated Publicly by Dr. Irvine K. Mott Free of Charge.

Irvine K. Mott, M. D., of Cincinnati, Ohio, well and favorably known in that city as a learned physician—a graduate of the Cincinnati Pulte Medical College, and of the London, (Eng.) Hospital, has discovered a remedy to successfully treat Bright's Disease, Diabetes and other kidney troubles, either in their first, intermediate or last stages. Dr. Mott says: "My method arrests the disease, even though it has destroyed most of the kidneys, and preserves intact that portion not yet destroyed. The medicines I use neutralize the poisons that form a toxin that destroy the cells in the tubes in the kidneys."

The Evening Post, one of the leading daily papers of Cincinnati, Ohio, hearing of Dr. Mott's success, asked if he would be willing to give a public test to demonstrate his faith in his treatment, and prove its merits by treating five persons suffering from Bright's Disease and Diabetes, free of charge, the Post to select the cases. Dr. Mott accepted the conditions, and twelve persons were selected. After a most critical chemical analysis and microscopic examination had been made, five out of the twelve were decided upon. These cases were placed under Dr. Mott's care and reports published each week in the Post. In three months all were discharged by Dr. Mott as cured. The persons treated regained their normal weight, strength and appetite and were able to resume their usual work. Anyone desiring to read the details of this public test can obtain copies by sending to Dr. Mott for them.

This public demonstration gave Dr. Mott an international reputation that has brought him into correspondence with people all over the world, and several noted Europeans are numbered among those who have taken his treatment and been cured, as treatment can be administered effectively by mail.

The Doctor will correspond with those who are suffering with Bright's Disease, Diabetes or any kidney trouble whatever, and will be pleased to give his expert opinion free to those who will send him a description of their symptoms. An essay which the Doctor has prepared about kidney troubles and describing his new method of treatment, will also be mailed by him. Correspondence for this purpose should be addressed to IRVINE K. MOTT, M. D., 319 Mitchell Bldg., Cincinnati, O.

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The Apple Picker.

Written for Green's Fruit Grower by D. A. Kneeland.

On a limber ladder,
Bending in the breeze,
See the plucky picker
Test the trembling trees.

Picking-bag on shoulder,
Darting here and there,
Ever growing bolder
Swinging in the air.

Pippin, Pearmain, Baldwin,
King and Spy and Sweet,
Spitzenberg and Codlin,
Never stops to eat.

Tantalizing torments,
Almost out of reach,
Tenderly must touch them
As if egg or peach.

In the sunlight glowing,
On the branches tall,
In the wind they're dancing,
Do not let them fall.

Careful with the packing
In a barrel neat,
Nothing now is lacking.
Here's nectar complete.

Canker on Apple Trees.

Written for Green's Fruit Grower.

Perhaps the readers of Green's Fruit Grower have noticed peculiar conditions or patches of bark on apple trees where the bark is dead. This is usually caused by canker, a fungus disease which is apt to be carried from one tree to another by the pruning knife or saw. I have seen orchards seriously injured by this canker but my own orchards have never been attacked, therefore I have no personal experience with it. One orchard which was attacked with canker was one of the most productive and profitable orchards in Western New York, located at Hilton. This orchard has received the most careful attention and the best cultivation, and yet many of the trees were attacked, but not so seriously as to affect their productiveness. The owner of this orchard, in order to combat canker, had sprayed the trees so thoroughly with Bordeaux mixture as to give the trees the appearance of having been white-washed. It is well established that twig blight of pears and apples is caused by the same germs that cause cankers in apple trees.

In pruning trees it is well to be careful and not use the same saw or pruning knife used in pruning a diseased tree to prune a healthy tree, owing to the danger of carrying infection from a diseased tree to a healthy tree. Pear trees sometimes have to have their branches sawed off owing to attacks of blight, but before this saw used on the tree affected with pear blight is used on a healthy tree it should be disinfected. There are many disinfecting liquids, perhaps the best of which is corrosive sublimate greatly diluted with water. This should be used with caution as it is a deadly poison.

Remedies: Prof. H. H. Whetzel, of Cornell University, N. Y., gave a stereopticon lecture on a new light upon apple blight, reports Minnesota State Horticultural Societies Journal. He claimed that blight is a bacterial disease and is not due to fungi. He designates blight as blight canker, and gave us many illustrations of its effect on limbs, body and trunk of the trees and on the foliage, what he called "mouse-eared" in appearance. Affected trees blossom heavily, setting more fruit than the tree can mature. Indications are brown streaks in the bark and collar rot, seamy blisters, etc. There are five kinds of canker blight, always black. A remedial wash for disinfecting scabby spots on trunks and large limbs is two-tenths per cent. corrosive sublimate and six pounds blue vitriol in fifty gallons of water, cleaning away all dead and affected bark and using as a paint. He had been making a study of varieties susceptible of blight and those that had been more immune. Some varieties were more resistant than

others. In one orchard, out of two hundred trees only seven trees remained alive. He recommended to always top-work on non-blighting varieties. He named Wolf River as immune, and the Baldwin as very susceptible to canker blight. Those seeking further information on blight should send to Cornell University for the bulletin on blight.

Culture of Mangos.

The department of agriculture wants to teach the American public to appreciate mangos, and thereby add another tropical or subtropical fruit to the American market, says Washington "Star." The department has been working at mango culture for about fourteen years and has one of the most complete collection of mango plants in the world. But it is only in the past year that the industry has really begun to look up, and it seems as though there were a chance of making it a real commercial success. The mango is a tropical fruit. Florida, below the latitude of Palm Beach, Porto Rico, Hawaii and the Philippines are all good spots, and it is expected that within a few years the mango industry will be worth reckoning with.

The fruit grows wild in Cuba. In fact, if it had not been for the mango Spain might have still been in possession of the island, for insurgents were able to live on mangos when there was nothing else for them to live on. Probably every one of the 27,000 American soldiers who poured into Cuba ate mangos. Yet there is a certain seductive flavor to the fruit that makes even civilized people eat it. There is a spicy, aromatic flavor to it that is found in no other fruit.

The department of agriculture has collected mangos from all over the world, and Mr. Oliver, who is in charge of the tropical fruit work and is himself a mango enthusiast, says that there are many varieties, two especially that can be eaten in polite society. They are the Mulgoba and the Alphonso, and they are the chief sorts that the department is trying to implant in the southern regions of this country. I think that our Professor H. E. Van Deman has started, or is about to start a mango plantation.—Editor G. F. G.

Making Fruit Growing Pay in the South.

In 1901 I had a fair crop of peaches. In the fall of this year I planted two and one half acres more of strawberries, and from the three acres I cleared the next season \$256 over all expenses, says "Practical Fruit Grower." In the fall I doubled my strawberry acreage, and from the next spring's crop I shipped 621 crates which netted me \$1,494.50 clear of railroad and commission charges. I paid for fertilizers \$55.60, for labor \$198.72, and for crates \$155.25, making a total net profit of \$1,084.73.

The fruit trees had made a fine growth, and the peach trees bore a good crop of fine fruit this year. The pear trees fruited also this season. I kept increasing my strawberry planting each year until I had 16 acres. The profits have not been so satisfactory with the increased acreage and I am now reducing it and shall get back to 5 or 6 acres. My experience is that this is about all one man can profitably look after in strawberry growing. This will enable him to give some attention to other crops which will be more profitable than the surplus acreage of strawberries beyond the amount stated will yield him. I think one great trouble with fruit growers is that they conclude because they make a few acres pay well they can do equally well with a much larger acreage. But it rarely turns out that way. It would be better for all of us if we would limit our operations more in one direction, try to grow better fruit and give more attention to the condition in which it is sent to market. We would realize better prices by such a policy, and would hear less of the cry of overproduction. With my five or six acres of berries, my orchard and other farm crops, one of the most profitable of which is the hay crop, I think I can from my past experience with virtually one crop, reasonably expect to do a good deal better than simply make a living. My prosperity thus far has been mainly from fruit growing operations. One-half of the farm is now in cultivation and in a good state of fertility, for we must fertilize here on these high lands to secure good crops. The original buildings have given place to more commodious and modern ones.

The vitality of the snail is remarkable. One that was glued to a card in a museum for four years came to life on being immersed in warm water. Some specimens in the collection of a naturalist revived after they apparently had been dead for fifteen years.

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Among The Pines.

Written for Green's Fruit Grower
By Eben E. Rexford.

LIFE ON THE RIVER.

No. 2.

A great many of the men employed in the lumberwoods are from the cities and villages located on the rivers down which the logs are floated in the spring. These men get excellent wages, and depend on yearly work in the pinery. Most of them begin when they are boys, and they know how to do little else. It will therefore be seen that pinery work is almost a "trade," and that a man, to be successful at it, must serve about the same apprenticeship that any other business requires. Frequently men go into the woods in October, and remain there until the camp breaks up in the spring, when they go on the drive, which means taking the logs down to the mills. This keeps them employed until the middle or last of summer, according to the condition of the water in the rivers. If the streams keep up well, driving can be completed by midsummer, earlier than that where the drive is a short one, but if there is a lack of water the work is greatly delayed. Sometimes it is suspended entirely until after rains come and fill the rivers. Many of the principal rivers are now controlled by a system of dams, by which water can be held in reserve, for use in dry seasons. These dams are shut down until there is a strong head of water, then they are opened and the entire length of the stream is often raised from one to two feet. On this flood the logs are floated farther and farther down river, until they reach their destination. Rearing off is a term that describes the work done at the rear of each drive. A set of men follow the drive and pick up the logs that have floated over the banks, or become stranded along the shallow bars. These are rolled into the stream, and floated down it until they reach the rest of the logs. Rearing off cleans up after each drive.

In modern lumbering, matters are conducted quite different from the early days of pinery life. Then each lumberman ran his own drive, but now the various operators along the stream run their logs in partnership. There will often be a dozen different marks in a drive. Each lumberman has a mark of his own, which is registered the same as a trade-mark. This mark is placed on every log belonging to him. Near the cities where the mills are at which the logs will be sawed, there are booms into which the logs are run, and from which each man's logs are sorted out. These booms are made by stretching long sticks of timber across the river. They hold back the logs while they are being separated. All the logs having the same mark are sorted out, and passed through the boom, where they are rafted and taken by tugs to the various mills at which they are to be manufactured into lumber.

It looks as if it might be very easy to ride a log, when you see a riverman perform that feat, but if you try it, you are quickly convinced that it is hardly as easy as it looks. Most of the rivermen have acquired such proficiency in the line of log-riding and rolling that they will stand erect on a comparatively small log, and have no difficulty in balancing themselves as the log revolves beneath their feet. But the raw hand will invariably lose his balance before the log has made a revolution, and a ducking results, much to the delight of the men who watch him, knowing what to expect. When a riverman wants to cross the stream, and the bateau is not at hand, he mounts a log, and using his pike-pole or peevy as a paddle, he is soon across. One often sees two men on a rolling log, but they seldom

lose footing. Logging has especial attractions for boys who live along the rivers. Many of them begin to work in the lumberwoods as soon as they are old enough to hire out. People say of them "that's all they'll ever amount to," for a taste of life in the pinewoods usually unfits them for any other work.

When the drive comes down, the river-towns reap a golden harvest. The river-drivers make it lively at each place they pass. They squander their money at the saloons, though few of them drink to excess, and you will find more free-hearted, warm-hearted men among them than in any other class of laborers. They are generous to a fault, too generous for their own good.

From the time rafting is over until the opening of next season's operations which, as I have said, is generally in October, the pinery-boy has his vacation. This is usually spent in the larger places, down river, where life moves at a rapid rate. Often a man without a family who has put in eight, nine, or ten months of steady work will spend all he has earned before it comes time to go into the woods again and will go back to another season's labor as poor as when he went into the woods. This kind of life will be kept up year after year. When men have wife and children to look out for they are careful not to spend their money foolishly, but a large proportion of the men who work in the lumberwoods are unmarried. There is something fascinating about the business for the man who begins it seldom cares to give it up for any other.

Many are the practical jokes played by the pinery-boys, on the greenhorns from the city who visit them, as guests of the owner of the pine that is being cut. A favorite joke is the sending of a young fellow, who insists on going into the woods with the workmen, for the sake of seeing how things are done, to a distant part of the woods for a "cross-haul." "Tell 'em to send one right up, got to have it right away, can't wait," the foreman will instruct the visitor, and he will set out on his errand firm in the belief that a cross-haul is something used in lumbering. He will deliver his message soberly, and unsuspectingly, only to find himself unmercifully laughed at. Then he discovers that a "cross-haul" is an imaginary thing kept for the benefit of such an ignoramus. Continued next month.

"Boys, are you sure that you all know what a prism is?"

"Yes, ma'am," chorus the fifty.

"Then, Johnnie O'Neil, you may use it in a sentence."

Up rises Johnnie and he announces with perfect confidence.

"Me brudder Chimmie is in prism for six months."—Life.

Penn Yan Grape Season Satisfactory.

William N. Wise, who is the largest shipper of Lake Keuka grapes in this section of the state, gives the following resume of the conditions of the grape crop in the Lake Keuka region for the past season, says "Democrat and Chronicle."

"The last car of Lake Keuka grapes was shipped on November 29th, whereas in 1904 the season did not close until December 17th, and in 1903 some days later. This was not only on account of the fact that the Catawba crop was about one-half of the normal amount, and counting all varieties about 60 per cent. of the full yield, but also because the weather became cold at an early date for the past two seasons and greatly reduced the demand and the prices correspondingly, and the growers were inclined to finish packing at an earlier date than heretofore.

"The remarkably fine quality of the fruit, together with the pleasant weather throughout the whole season, produced an active market and high prices. And notwithstanding that the crop was not more than 60 per cent. of that of 1900 and 1901, yet the amount of money received by the growers was probably as large, with correspondingly less expense for baskets, labor, etc. With an abundant supply of refrigerator cars, the excellent demand, the fine weather, the good prices, the season on the whole has been very satisfactory to growers, shippers, dealers and consumers."

A man who had knocked about more or less became converted to Christianity, and proceeded to tell a friend his experience.

"Yes," said he, "I have really given up sinning and joined the army of the Lord."

"You don't say so! And what church did you join?"

"The Baptist."

"Oh, but you haven't joined the army at all; you've joined the navy."—Exchange.

The purest joy,
Most near to heaven, far from earth's alloy,
Is bidding clouds give way to sun and shine,
And 'twill be well
If on that day of days the angels tell
Of me: "She did her best for one of Thine."
—Helen Hunt Jackson.

A smile won't stay on a rusty-looking can of peaches. There's a frown on a "swelled" can of condensed cream and a cloud over the face of the pickle barrel when a mouldy scum is in sight.

A statue of Adam, the original Adam, has been erected in South Chicago, and now stands on the front lawn of Nicholas Engasjo's residence. It is the only one of its kind in the world.

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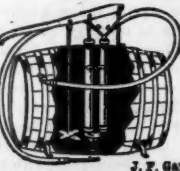
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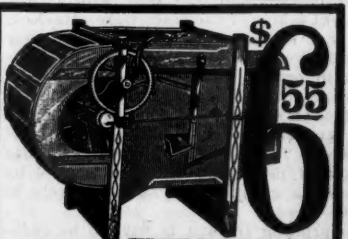


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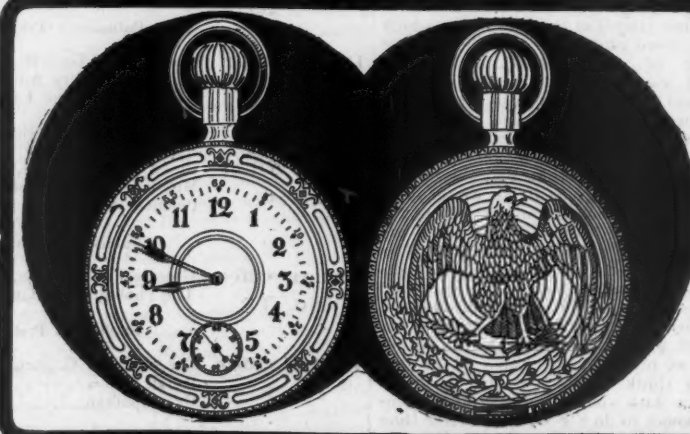
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"Brother! I hear no singing:
'Tis but the rolling wave,
Ever its lone course winging
Over some lonesome cave."
"Yes, but there's something greater
That speaks to the heart alone;
The voice of the great Creator
Dwells in that mighty tone!"

Alas, how soon the hours are over
Counted us out to play the lover!
And how much narrower is the stage
Allotted us to play the sage!
But when we play the fool, how wide
The theater expands; beside
How long the audience sits before us,
How many promoters! what a chorus!

Three sisters by the Sacred Spring
Sit, soft-eyed, and sing:
When the sunset colors die,
And the moon comes up the sky,
'Tis to that melody,
Under the Sacred Tree,
It follows the stars along,
And they, too, shine to the song.
The evensong, of the sisters three,
Love and Hope and Memory.

Some Valuable Apples.

McIntosh is a Canadian apple of the
Fameuse type, but much superior to Fa-
meuse in some respects and for some
localities, says Country Gentleman. It
is larger and better colored than its pro-
totype, with a magnificent bloom and
an unforgettable aroma. The flesh is
white, crisp and very juicy. The tree
is strong, clean and hardy. It succeeds
especially along the northern border
next to the Canadian line, and in On-
tario and Quebec. Further south it is
less desirable.

Wagener is an apple which is evi-
dently increasing in popularity, both
with market men and growers. The
former like it on account of its good
size and form, its fine color and its
really excellent quality. The growers
fancy it for its early and abundant
bearing. In some sections it is plant-
ed as being particularly hardy. The
small size of the tree, and its early
bearing habit, suit it for use as a filler
in double planted orchards. The grow-
ing conviction in favor of double plant-
ing therefore tends to popularize the
Wagener.

Wealthy is another variety which is
being used to a considerable extent as
an orchard filler. Doubtless its pres-
ent boom is largely accounted for by
this fact; but many planters are finding
that it has other positive merits aside
from small stature and early bearing.
The fruit is large, well colored and of
good quality, though it is inclined to
fall from the tree as soon as ripe. It
is being planted rather freely through-
out the apple-growing sections of Can-
ada, northern New England and New
York State, and in the territory north-
west of Chicago.

Crowned with Human Heads.—Gwan-
du, a town in Africa, contains between
10,000 and 15,000 inhabitants, and is sur-
rounded by a palisade of poles, the top
of every pole being crowned by a human
skull. There are six gates, and the ap-
proach to each gate is laid with a pave-
ment of human skulls, the tops being
the only parts that show above ground.
More than 2,000 skulls are used in the
pavement leading up to each gate. The
pavement is of snowy whiteness, pol-
ished to the smoothness of ivory by the
daily passage of hundreds of naked feet.

At eve, when the brief wintry day is sped,
I muse beside my fire's faint flickering
glare—
Conscious of wrinkling face and whiten-
ing hair—
Of those who, dying young, inherited
The immortal youthfulness of the early
dead.

—John Hay in "The Century."

This Will Interest Many.

F. W. Parkhurst, the Boston publisher,
says that if any one afflicted with rheu-
matism in any form, or neuralgia, will send
their address to him at 804-17 Carney Build-
ing, Boston, Mass., he will direct them to a
perfect cure. He has nothing to sell or
give, only tells you how he was cured after
years of search for relief. Hundreds have
tested it with success.

About Crowns.

Written for Green's Fruit Grower By
George B. Griffith, E. Lempster, N. H.
The first kind of crowns worn by kings
was the diadem, which was no other than
a fillet of silk, linen, or the like. Pliny
supposes it to be as ancient as Bacchus
for a general ensign of kings. Nor does
it appear that any other kind of crown
was used for a royal ensign, except only
in some kingdoms of Asia.

The Romans conceived this kind of
fillet to be the proper ensign of a king,
and therefore endured not the use of it
whilst they hated the name of king.
Hence it was that the emperors at first
abstained from the diadem. Caligula
first put it on, but durst not continue it,
nor did any afterwards publicly affect
it for two hundred and eighty years.

The first that wore it, and sometimes
perhaps publicly, was Aurelian, but not
constantly; nor had the emperors yet any
other ensign of dignity for their heads,
besides the laurel and the radiated
crown, neither of which were proper to
them as ensigns of the monarchy; the
first being only triumphal, as imperatores
or generals of the state, and the other,
a note of flattery, deifying them as gods.
But soon after Aurelian, the diadem in
Constantine the Great became a contin-
ual wearing, and was in common use.
Constantine first used a diadem of pearls
and rich stones, as appears upon his
coins afterwards the imperial diadem
received additions of other parts that
went from ear to ear over the crown of
the head, and at length over a gold helm
with a cap, which made it somewhat
like a close crown of later times. Con-
stantine appears with the diadem and
helm in this manner upon some of his
coins; but the frequent joining of the
helm and cap to the diadem was not
till about the time of the younger Theo-
dorus; the use of crowns thus deduced
from Constantine the Great was an ex-
ample which the rest of the kings of Eu-
rope followed.

25 Yrs. Experience with Quinces.

The quince does not send out its roots
so far as other fruit trees, therefore an
occasional manuring of the soil as far
as the roots of the trees extend may be
given with profit each year. The roots
of the quince do not extend so deep into
the ground as many trees therefore many
of the roots are injured by severe freez-
ing, especially in winters when the
ground is very dry. Many people have
an idea that quince thrives best on low,
wet ground, but this is not true. Quince
should never be planted on soil that is
not well drained. The quince bears its
fruit directly opposite of most fruit trees
inasmuch as the bearing wood of the
quince is the new wood of the last sea-
son, the ends of the branches. In prun-
ing if you cut off the new wood you re-
move that season's fruit crop. The
quince is a beautiful tree, particularly
when well laden with beautiful golden
fruit. Unscrupulous nurserymen some-
times defraud their patrons by filling or-
ders for orange and other valuable quince
with the Angers quince, which is a cheap
vigorous growing variety that is of no
value for bearing fruit in this country.
Such worthless quince trees have been
sent out more during the last few years
than ordinary owing to great scarcity of
genuine quince trees of the best varieties.
It pays to give good tillage to the quince
orchard.

Shipments of Idols. Probably the only
idol factory in the world is now located
in the city of New York, where the idols
of all countries are reproduced and new
ones manufactured. India gets the
largest shipment, but from some coun-
tries even further east comes an ever-
increasing demand. The average for-
eign shipment varies from a couple of
hundred to a thousand images every
thirty days. By far the largest number
of idols are made of plaster, coated, oil-
ed, and polished to resemble old bronze.
—Bangkok "Times."

He Surrendered.—"The court was in
session," he said, "and the crier called
out:"

"The United States of America
against Reuben Jackson."

"Massah Judge," interposed the de-
endant, quavering, "do he mean dat
dese whole 'Nited States am again dis
pore ole nigger?"

"Yes," replied the judge.

"Den, if dat's de truf," cried the old
darkey, "I want ter surrendah, sah."

Philadelphia Ledger.

"Take care o' de pennies," said Uncle
Eben, "an' de dollars will take keer o' de
folks dat you done handed de pennies to,
to save foh you."—Washington "Star."

"What is Johnson's business?" "I
think he is a bookkeeper; at least, he
never brought back the one he borrowed
from me last summer."—Scissors.

DISEASES OF KIDNEY SUFFERERS.

WHY DO YOU NOT TRY A REMEDY THAT
WILL CURE YOU?

We do not want you to spend a cent in its purchase
until you give it a satisfactory trial at our expense.
All you have to do is to write us and you will receive
a liberal sample absolutely free by mail. Could any
offer be more fair? The Kava-Kava Shrub, called by
botanists Piper Methysticum, from the Ganges River,
East Indies, acts directly on the Kidneys and cures
thoroughly and permanently by draining out of the
blood every particle of poisonous Uric Acid, Urates,
Lithates, etc., which are the cause of Urinary and Blad-
der Troubles such as Bright's Disease, Rheumatism,
Gravel, Backache, Difficult or too frequent passing of
water, sore and weak Kidneys, Dropsy, Diabetes, etc.
As a positive proof we have thousands of Testimonials
from people in every walk of life, including Governors
of States, Executives of Cities, Officials of Hospital
Boards and Boards of Health, Ministers of the Gospel
and Evangelists of Renown. Full authentic reports are
contained in our books and pamphlets which are mailed
free. The Kava-Kava Compound acts with remarkable
effect in hopeless hospital cases when all other reme-
dies known to medicinal science have failed. As proof
we have to offer the testimony of the President of the
Suffolk Hospital, Boston, Mass., Dr. Machette of Indi-
ana, Secretary of the Board of Health, Bourbon, and a
large number of other Physicians of high standing in
their profession.

The persons whose pictures we publish hereon have
all been cured and the particulars of their diseases are
as follows:

Mr. T. R. Hall, Knoxville, Tenn., is a United States Railway
Mail Clerk, was cured of Bright's Disease after being off duty one
year and when every other means of cure had failed. Mrs. J. Ad-
die, Del Rio, Texas, had the best Specialist of the Harper's Hos-
pital, Detroit, Mich., and six other prominent Physicians pro-
nounced her case incurable. A complication of diseases including
Bright's Disease was her trouble. She is cured and strong to-day
and says our remedy saved her life. Mr. W. T. Wallace, McCor-
mick, Ill., says that our remedy completely cured him after three
Physicians had failed. Mrs. Frank Winget, Wapakoneta, Ohio,
was given up by the best Doctors who said her life was short if she
did not have an operation performed. Our remedy cured her and
an operation was not necessary. Mr. A. F. Wear, Justice of the
Peace, Barnett, Mo., had been sick many years with Kidney
Trouble, Indigestion, etc., and had tried Physicians both Allo-
pathic and Homeopathic, but could get no relief. He used our
remedy, which completely cured him; two of his neighbors were
also cured through the use of our remedy on his recommendation.
The Hon. R. C. Wood, a prominent lawyer of Lowell, Ind., suf-
fered from Rheumatism and Kidney Trouble for years, had tried
his home Physicians and three Specialists without relief. Our re-
medy restored his health and he has had no return of the diseases.
Mrs. F. B. Smith, Recording Secretary of the Woman's Home
Missionary Society, was completely crippled with Rheumatism, to-
day she is completely cured and our remedy is the cause. Mr. F.
N. Reese, Terrell, Iowa, had been a sufferer of Rheumatism for
over three years, but our remedy completely cured him. Mrs.
Mary Fox, was a severe sufferer with Kidney Trouble and Rheu-
matism and had been in bed four months when our remedy cured
her. Mr. John Will, R. F. D. No. 3, Muncie, Ind., a promi-
nent farmer, was a sufferer from Diabetes and was told by several
Physicians he could not get well. Our remedy completely cured
him; he has taken out Life Insurance since and the examining
physicians pronounced him sound as a dollar.

Had we the space we could give particulars of
thousands of such cases. We do not ask you to take
our word, but investigate for yourself. Besides we give
you a sample to judge for yourself which is the strong-
est evidence of our confidence in the medicinal qual-
ities of our great remedy, the Kava-Kava Compound,
named Alkavis.

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and is always ready to supply PROMPTLY as wanted. By
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entirely FREE by mail, to every reader regardless of ex-
pense. It is a sure specific and cannot fail. Write to-day.

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tion, postpaid, \$2.50. Handy Corn Sheller, with Pop Corn Attachment, 95 cents. Clover Cutter for
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THE BROWN FENCE & WIRE CO., CLEVELAND, OHIO

Jim Bludso.

By John Hay.

Wall, no, I can't tell whar he lives,
Because he don't live, you see;
Leastwise, he's got out of the habit
Of livin' like you and me.
Whar have you been for the last three
year?

That you haven't heard folks tell
How Jimmy Bludso passed in his checks
The night of the Prairie Belle?

He weren't no saint—them engineers
Is all pretty much alike—
One wife in Natchez-under-the-Hill
And another one here in Pike.
A keersless man in his talk was Jim,
And an awkward hand in a row;
But he never flunked, and he never lied—
I reckon he never knowed how.

He weren't no saint, but at Judgment
I'd run my chance with Jim
Longside of some pious gentlemen
That wouldn't shook hands with him.
He seen his duty, a dead-sure thing
And he went for it, thar and then,
And Christ ain't a-going to be too hard
On a man that died for men.

Warm Hearts in a Cold Country.

A Story of the Esquimo.

Written for Green's Fruit Grower by Olamar Sechelkirk.

It was evening. The day, which had lasted six months, had ended, and the night which was to continue six months had begun. The morning sun had appeared in the horizon only for a moment, then slowly disappeared leaving the north land in darkness and gloom.

Asol was preparing for a journey and seemed not to mind the fast fading light. His mother noticed that he paid unusual attention to his personal appearance, and surmising the nature of his journey made no comment. Asol's long black hair was smoothed back over his ears, his boots were oiled with care and he had donned his best fur garment which consisted of hood and coat combined. Bidding his mother farewell, he cheerfully set forth on his lonely journey to the nearest village some twenty miles away. Here lived a beautiful Esquimo girl, Isole.

Asol had never met her; but in the summer while hunting musk-ox, he saw her gathering berries and resolved to make her his wife.

Asol's journey led him over a dangerous mountain pass piled high with snow drifts, across a glacier and through deep valleys but his heart was light and his courage strong. The white rabbits, the ptarmigan, the silver fox and the white bear stealthily stole away at the sound of his stumbling footsteps. No traveler journeyed his way and he met no one going in the opposite direction. Alone, amid the solitude and desolation of the mountains he pushed on. Suddenly the way before him flashed with a brilliant light. Bright flames shot in the heavens, which disappeared, to be replaced by others. The light of the sun was hardly missed in the blaze of this mysterious lightning of the north, the Aurora Borealis. Asol continued on his way, unaffected by the sudden change, for it was familiar to him. Presently he stopped, eagerly scanning the landscape. Before him lay the dim outline of the village where Isole lived. Winding his way about the partly underground huts built of stone, turf, bones and wood, Asol reached the home of Isole. Upon his hands and knees, he entered the tunnel leading to the interior of the hut, and presently emerged into the presence of Isole, her father, mother and the other children. No one was surprised at his coming. He was made welcome, then dropping his bundle, he rubbed his nose over the noses of the children, according to Esquimo custom. This done, he stood silently gazing at Isole. From her, his gaze wandered to the roof, where hung the harpoons, the weapons of defense and the basin-like lamp with its wick of moss, which furnished both light and heat.

Presently Asol, who had been watching his opportunity, seated himself beside Isole, and this act told the sweet story of his love, but the answer is uncertain. Neither is demonstrative and as the mother busies herself with her household duties, Asol steals another glance at Isole. She returns his look and together they sit, gazing at the lamp, at the father silently smoking his pipe, or, at the children playing on the fur rugs.

Custom in the north allows suitors to remain over night, and when the family retired, Asol remained and shared a resting place in the one sleeping and living room combined. Wonder indeed it is that anyone could sleep in such crowded quarters, infested with fleas which propagate in the furry coats of the dogs, who scratch and bite all night, in their frantic efforts to rid themselves of their tormentors.

With no sun to announce the new day, the Esquimo sleeps until he is awakened by his dogs or by hunger. The best the house afforded was set before Asol, who

relished the delicious seal livers, while the family breakfasted on blubber.

After breakfast Asol and Isole's father discussed the mysteries of their religion; both believing that the world is governed by spirits, who hold power over certain lakes, mountains and villages and who also look after the welfare of the worthy. They also referred to the truth of the fact that the earth and sea rest on pillars, forming a cover of another world; as the sky is another world above us. Isole shuddered as her father spoke of the cold and hunger which prevail in the upper world, and was glad when he said that men were rewarded or punished in this world. Then she cast a shy glance at Asol, who seemed to her the embodiment of all that was good. When, however, they began to talk about the sudden death being caused by witches, she hurried to assist her mother in serving dinner, which consisted of a sumptuous menu suitable for the occasion. There were dried berries, which Isole had gathered the summer before, sea weed, mussels, seal and bear.

Asol was much interested in the tales which the father related and regretted when the hour for his departure came. Placing at the father's feet his gifts of seal-skins, walrus-tusks, seal-livers and a string of ptarmigan, Asol cast one last look of affection toward Isole, then quietly departed through the tunnel. During the long homeward journey, Asol carried with him the sweet memory of Isole's last look and in his heart felt sure that Isole returned his love.

Asol, however, was not Isole's only lover. Her father was a man of great wealth and this, together with Isole's beauty, attracted many suitors. Each suitor brought numerous gifts, intended to soften the father's heart and to induce him to bestow the beautiful Isole as a bride, but the Esquimo father is intensely practical, and waits to bestow the hand of his daughter upon the lover whose gifts are most valuable. Alas! Asol was poor. It had taken all of his worldly goods to make his valuable gifts.

One fatal day there arrived at the home of Isole a suitor who had just returned from assisting an expedition in a search for the north pole. The money which he had received for his services as a guide, made him a man of wealth. He wore a fur coat that nearly touched the ground. His cap was separate from his coat and very unlike anything which the villagers had ever seen. A pair of white trousers, and high boots added much to his appearance, and his beautiful striped blankets were the envy of all who saw them. About his neck he wore strings of bright colored beads and on his hands were soft kid gloves, which were made more noticeable by the carrying of a cane in one hand and a white parasol in the other.

These attractions, together with the wealth of Bijohn, made him a strong rival of Asol. The heart of Isole was filled with sorrow as she viewed the gifts which Bijohn lay at her father's feet for she knew that Asol's gifts could not compete with those of Bijohn and that ere long she must marry Bijohn.

A few days before they were to be married, Bijohn accompanied Isole's father on a seal hunt. Just as they were about to start for home, a huge white bear came upon them suddenly, striking Bijohn a powerful blow on the head. Isole's father vainly tried to beat off the bear but the crude weapons, of bow and spear, had little effect upon their antagonist. As Isole's father withdrew to take better aim, the bear picked Bijohn up, as easily as a mother picks up a babe, and quickly disappeared from sight. Alone the father journeyed home, bearing the tale of Bijohn's sad fate.

In due time Asol heard of Bijohn's death and once more he oiled his boots, smoothed back his long hair, donned his best furs and started on his journey to the home of Isole.

So true love triumphed in the land of darkness. Asol and Isole were married, finding more happiness in the land of snow and ice, than many find in the land of sunshine and luxury.

The use of seaweed as food is an example of the determining factors of both necessity and environment. It is not a little astonishing to find what a number of seaweeds are really edible and nourishing.

"I can't go down in dat water wid you, Br'er Williams," said the convert; "I too 'frail alligators."

"Nonsense!" said Br'er W. ams. "Didn't it turn out all right wif Jonah after he was swallered by de whale?"

"Yea," replied the convert, "but a Georgy alligator is mo' tougher dan what a whale is, en got less conscience. After he swallers you he goes ter sleep en fergets all erbout you!"—Atlanta "Constitution."

"Ship me somewhere south of winter; Oh, its there that I would go!
Where there ain't no ten or twelve degrees of Fahrenheit below—
For I hear the South a-calling, and the Southern breezes say:
Come you down to where the sunshine keeps the snow and ice away"

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PLANT THE RIGHT SEED

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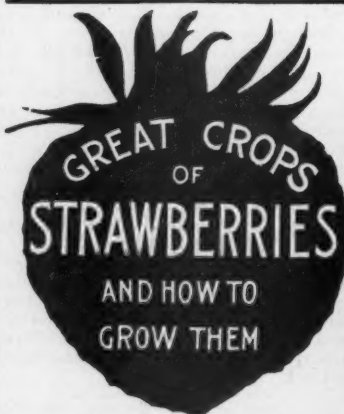
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We prepare young men for good paying positions. There is a great call for foremen on berry farms. The demand is away in excess of the supply. We can fit you for that work.

Our course of instruction trains the young woman for an ideal out-of-door occupation in which she can make much more than an independent living.

The first person to join this school was a young woman who has won splendid

success as a strawberry culturist in Minnesota. And among our hundreds of pupils are many women who are enthusiasts in the business.

No grower is too large and none too small to be benefited by our teachings.

The better you understand your business the more money you can make and with less work.

Now, if you want to know all about our methods, send us your name and address and \$1.00, and you will be enrolled as a full member of the great Correspondence School.

And "The Strawberry," our valuable and beautifully illustrated magazine, will come to you each month, full of instruction, and tell you just what to do in your strawberry field at that particular time and will keep you from making expensive mistakes.

"The Strawberry" will contain no puzzles, no visionary stories, no imaginary theories; nothing but strictly business instruction, common-sense and actual experience from the world's greatest experts in Strawberry Culture. Don't delay, but write us today.

R. M. KELLOGG COMPANY,

Box 360

Three Rivers, Mich.

go!
way"

Belt

the same farm in
a can be raised cot-
corn, tobacco, wheat,
barley, hops, rye,
s, Irish and sweet
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s, pears, apples,
apricots, cherries,
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berry, canteloupe,
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Oranges and
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Additional informa-
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trated literature and lists
of our products are avail-
able in full form, and
sent to you on request.
I. A. Atlanta, Georgia

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NO FRUIT.

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Cultivators
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Garden Tools
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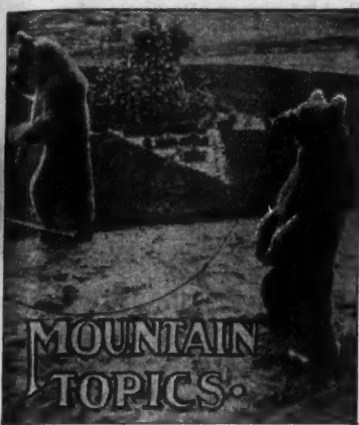
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FEBRUARY

GREEN'S FRUIT GROWER AND HOME COMPANION

27



FISHING EXPERIENCE, OR HOW THEY MISSED THE DEER.

Written for Green's Fruit Grower.

At the early spring season, or as soon as the ice has disappeared from the lakes and streams, swarms of fishermen are catching trout in every part of the Adirondack mountains. It is at this season that more trout are killed than at any other. My stay at Rainbow Lake was during August, when there was scarcely any fishing done, and yet my friend and myself never went out without bringing in a nice basket of trout. One afternoon we were fishing in the channel of a stream that had been enlarged by a dam so that the water was deep and the channel difficult to find. One spring-hole was known as the refrigerator. From this pool wagon loads of trout had been taken in past years. We had fished up this stream, but had little luck. The afternoon was bright and there was not a ripple upon the water, thus the trout would not rise to the fly. Finally we arrived at the pool near the head of the inlet, which the guide said was one of the best pools in the stream. Here we tried the trout with worms but could not get a nibble after long waiting. Finally my friend remarked to the guide, Ren Chase, "Was it not along here somewhere that you had such peculiar experience with deer?"

"It was at this very spot," replied Ren Chase, the guide. "I was bringing a deer hunter into his camp and as I turned this point I saw before me at close range a large doe. The hunter I was guiding was a novice, therefore he had a double-barreled shot-gun in his hands, his rifle lying near by. He had not seen the doe, but I turned the boat so that the doe came into full view, when to my astonishment I saw directly in front of me in the middle of the stream a big buck, in deep water. The huntsman fired at the buck with his shot-gun, but the charge fell far short. I told him to wait until the buck regained the shore and was rising on the steep bank and then to hit him in the shoulder. He fired again as the buck was going out of the stream, but shot over him. This was the last we saw of the buck, but to our astonishment the doe continued to stand where she stood when we first saw her. On seeing the doe the hunter raised his rifle, took careful aim and fired; the doe leaped high into the air, giving evidence that she was seriously hit by the bullet. Realizing that it would take some time to find this wounded doe and to get her into the boat, and having an engagement with another party at the hotel, I told the hunter that I would have to return, and advised him to secure the services of that old time hunter and guide, James Wardner, to come back in another boat and find the wounded deer.

"But the inexperienced hunter did not take my advice. He secured the services of a friend, who returned with him as near as possible to where the deer was wounded, and together these inexperienced men started out in the search. They had gone but a short distance before they were not able to tell which way was home, nor where the creek and their boat was; in other words, they were lost. They wandered about the woods not knowing which way to go. They simply kept going aimlessly. Finally along about night they came to a stream of water and saw a boat; they did not recognize the stream and did not recognize the boat, but they were glad to see the boat. They jumped into it and paddled down the stream, and finally came to the hotel almost crazed with fear and suffering from hunger.

"Several weeks after that," continued the guide, "I happened to pass by the stream and plainly smelled the decaying carcass of the deer that had been wounded that day. A deer in the woods can disappear so quickly after being shot it is not surprising that many that are fatally wounded are never secured by the hunter, but are devoured by bears."

The telling of this deer incident had occupied considerable time. Suddenly I felt a vigorous bite at my hook, which had been with my friend's reclining in the pool while we were listening to the guide's experience. I drew in a fine big trout. Soon my companion had a vigorous bite and he drew in another one. We continued to catch trout after this moment in this pool for some time. In fact nearly all the fish we caught that afternoon were caught in a short space of time after the telling of the story before our departure for the hotel. This incident illustrates the peculiarity of trout fishing, particularly in the latter part of August. That is the season when trout are gathered in the spring-holes and when they are expected to take the fly. If they do not rise to the fly they will sometimes take a hook baited with worms. But when they take the fly they will not take the worm, and when they take the worm they will not take the fly as a rule. Sometimes at a certain day and hour they will take worms and at another hour they will take the fly. I fished on this recent trip for trout with the same rod I used on my first fishing trip in the Adirondacks thirty-four years ago.

A policeman should watch that others do not prey.

Economy is a brand of wealth that no one cares to inherit.

Look not upon the town when your neighbor is painting it red.

A rich girl may be homely, but she will never know it by hearsay.

Failure of a Connecticut towel factory is the latest financial crash.

A man never gives his hair a thought until he hasn't any to think about.

A wife's idea of a perfect husband is one who thinks he has a perfect wife.

It is impossible for a man to judge a woman's wisdom by what she doesn't say.

When a woman does shopping she squanders a quarter every time she tries to save a dime.

There may be a time for all things, but the wise man prefers to tackle one thing at a time.

There is no telling where a sinner will land when he begins to monkey with a fishing outfit on Sunday.

Opportunities are like apples; if you pick them too soon they are green, and if you wait too long they are rotten.

Investigate the cause of each wrinkle in a woman's face and you will find it was put there by worrying over something that worry couldn't help.—Chicago News.

Personal Experiences Wanted.

A subscriber of Green's Fruit Grower writes us that the personal experience of our readers in growing fruits, or in other farm and household experience, interests him more than any part of Green's Fruit Grower. We want your personal experience, given briefly, for publication. We have no room for long articles but a short letter telling of personal experience with poultry, with strawberries, apples or other fruits, with drainage, pruning, grafting or other practical affairs will be gratefully received. Possibly these may not be published in the next issue but rest assured they will receive careful attention.

Job for Mr. Burbank.

Luther Burbank, the California flower wizard, has developed a beautiful yellow calla lily, says Livingston Republican. All things considered the present 'calla lily needs no improvement, but it is gratifying to know that Mr. Burbank can produce a golden lily as well as seedless fruits and everlasting flowers. Such knowledge and art tend to beauty as well as usefulness. If he will now make the horse-chestnut palatable he will go down in history as the greatest benefactor the human race has ever known.

The Stage of Life.

The stage upon which the comedy and tragedy of life is acted is a very narrow one, says Seneca Falls Revue. The scenes are betimes shifted, the actor changed, but the comedy is the same laughable comedy, and the tragedy the same sad tragedy. There is no change from generation to generation. We play our respective parts well or ill, and pass on to our reward. The great stage of life is constantly before us. Let us act well our part, for there all the honor lies.

"Why auntie," explained the girl, "the books all say that rabbits multiply faster than any other animal, and this obstinate little creature won't even go through the three times threes with me."—"Lippincott's."

The martyr is honest, and the man who makes him a martyr is frequently quite as honest.

This Method CURES Rupture



ABOUT AS A MASON REPAIRS A BREAK IN A WALL.

In fact, a rupture is a break in a wall—The wall of muscles and fibre that protects the bowels and internal organs of the stomach. The only way to cure it is by a method similar to the mason's method of bricking up a hole in the wall. This advertisement is to prove to you that YOU can cure your own rupture in your own home without danger, pain, operation or a moment's loss of time. No matter what kind, no matter how severe, no matter how long standing your rupture may be, you can cure it yourself by my method. By cured I mean not merely held back in place so as not to annoy you, but cured, healed, knit together again for all time so you won't ever need to wear a truss any more. As I said, a rupture is a break in the wall that protects the intestines. The break may not be any bigger than the tip of your little finger. But it is large enough to allow a fold of your intestine to crowd through, so that the break cannot heal again, unless Nature is assisted. When you cut your hand, Nature causes a certain healing matter called Lymph to flow, a scab forms and the cut heals. You know that. Now, when the wall of your stomach breaks, this same Lymph flows, but it cannot heal the break because the protruding bowel is in the way. And so the flow of Lymph stops, and instead of a scab, a hard ring forms around the break.

My Method Makes Nature Cure.

Now, by my method of curing rupture, I enable you to put back the Protrusion inside the wall of muscle and keep it there, so it is supported in its proper place all the time—just as a mason supports the top of a break in the wall while he is filling it in. Then I give you a wonderful Developing Lymphol, which acts just like Nature's Lymph. This wonderful healing Lymphol percolates through the skin to the edges of the break, softens them up, and removes the hard ring which has formed around the break, just as the mason removes the protruding edges of the break so as to have a perfect surface to build on. And then my method begins its work of making new flesh, knitting the muscular tissue together, just as the mason's new bricks and fresh mortar make a solid wall again. Then, Nature's supply of Lymph (no longer handicapped by the protruding bowel) again flows, and the break is once more covered by a perfectly rebuilt wall of muscle. The cure by my method is then so perfect that you will never have to wear a truss again.

Absolutely Free To The Ruptured!

To prove absolutely that my method will cure your rupture forever, I will give to any ruptured person an absolutely free trial and demonstration of my treatment, and I have also prepared a book which illustrates and describes a perfect cure for every kind of rupture.

This book tells you everything you can want to know about your Rupture and how to take care of it and cure it better than any Doctor can. This book is the result of my 25 years' experience as a specialist and tells the story of over 20,000 cases.

It tells you exactly how to cure your rupture, without danger, operation, pain or loss of time.

And with it are a large number of testimonials from people I have cured.

This is all free to any sufferer or anyone interested in the cure of rupture.

If you are ruptured, you cannot afford not to have it.

Won't you write for it to-day?

For remember, cure means relief from pain and annoyance, and an end to all further rupture, torture and danger as well as the inconvenience and discomfort, of truss wearing for ever.

But also it means better health in every way—

It means the cure of the Stomach, Liver or Kidney Diseases, the Constipation, loss of Vigor or Rheumatism and the other diseases which so often accompany rupture.

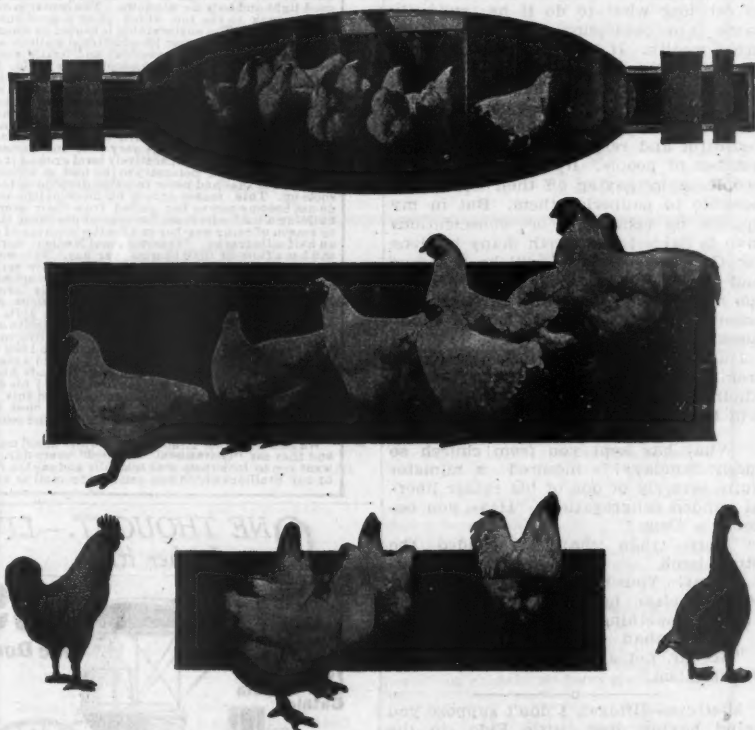
It will cost you nothing to write to-day for my free trial and full instructions how to cure yourself.

I only want to tell you how to be cured. The telling and the proof are free.

Then it is up to you to take advantage of your opportunity.

Simply write me; your name and address is all I want.

Dr. W. S. Rice, 54 Main Street, Adams, N. Y.



PULLETS AND COCKERELS FOR BREEDING, Eggs for Hatching, now ready for delivery. Now is the time to order. We are breeders of Barred Plymouth Rocks, White Rocks, White Wyandottes, and Single Comb Brown Leghorns. We have taken many prizes for our superior birds.

Prices of eggs: \$1 to \$2 per dozen for any of above breeds. Price of birds, \$2 to \$5 each. Write for particulars to

Poultry Dept. of Green's Nursery Co., Rochester, N. Y.

What I would do if I had John D. Rockefeller's \$200,000,000.

I saw the question asked in the Fruit Grower, "What would you do if you had John D. Rockefeller's money, \$200,000,000?" I would try and make all the people in this town, and all towns joining this, happy, although it takes something beside money to make any person perfectly happy.—L. N. Hewes, Winchester, N. H.

If I had J. D. Rockefeller's money it would make me happy to help all the poor and needy, the orphans and widows.—Mrs. C. Pfannenschmidt.

If I had J. D. Rockefeller's \$200,000,000 I should make a specialty of assisting the many country churches that have a hard time to keep the door open.—R. A. Miller.

If I had J. D. Rockefeller's \$200,000,000 I would give for foreign missions \$100,000,000; for education of poor young men and women, \$50,000,000; for literature to distribute, \$1,000,000; for my family, brother and sister, father and mother, etc., \$1,000,000; for worthy old ladies, \$10,000; for orphans' home, \$15,000,000; for rescue home, \$15,000,000; for a rest home and fresh air farm, \$15,000,000; for myself, \$100,000. Remainder to improve condition of district schools in rural districts.—Samuel P. Skinner.

Charles A. Green, Editor: If I had \$200,000,000 I would see that the needy had food and fuel for winter. I would endeavor to use it as Jesus would. I would see that the sick had what care they needed and would erect homes in towns and cities where children of the streets who have no homes could be taught how to live good and pure lives. I would see that each home had a Bible and a book named "What Would Jesus Do?" I would try to prevent whiskey from being sold in any form to any one under twenty years of age. I would give help for farmers' wives who need it in the summer months, and for myself until I got over my nervousness. I would have our barns rebuilt which were burned September 28th, when I was out to spend the day for the first time since I was married, seven years. I would go to see father and mother in Ireland and bring them home with me if they would come.—Mrs. Hale, Michigan.

Note by the Editor—We print herewith letters from readers of Green's Fruit Grower telling what they think they would do if they had Rockefeller's millions. It is possible, however, that after they had been in possession of Rockefeller's millions for five or ten years they might not do at all as they thought they would do. There are many responsibilities connected with great wealth. I can see that the conscientious Christian might undergo great distress in deciding what to do if he suddenly came into possession of Rockefeller's great wealth. It has been wisely decided that indiscriminate giving of money does more harm than good, and that the very best use that can be made of wealth is to give employment that is healthful and respectable to the largest number of people. By giving money to people, or by paying off their debts it is possible to pauperize them. But in my opinion no benevolent or conscientious man is liable to be worth many millions for the reason that he will be generous and public spirited, and will give away too much money, and will, through conscientious influences, keep out of many questionable deals.

I am very glad to receive these letters from my readers. I thank them for their kindness and am sure that their letters will be read with interest.

"What has kept you from church so many Sundays?" inquired a minister quite severely of one of his rather liberal minded congregation. "Have you become a Deist?"

"Worse than that," responded the stray lamb.

"What! You have not been stricken with atheism, have you?"

"No, something worse than that."

"Worse than atheism? Impossible!"

"No, sir, not at all. Rheumatism, sir, rheumatism."

Mistress.—Bridget, I don't suppose you mind having dear little Fido in the kitchen with you when we go out?

Bridget.—No, mum; O! loike t' have him here. Y' see, whin things go wrong an' O! gits me dander up, it's a moighty big relief to have something to kick 'round.—Puck's "Library."

Eleven-thirty p. m.—"Still here young man?" "As still as possible, sir."—Cleveland "Plain Dealer."

Making Soil From Air.

Professor Roberts, who for many years was at the head of the Cornell Experiment station, in a recent address, made this remark: "If I were twenty years younger, I should go up and down our country emphasizing the work of plants in producing soil productivity. Instead of using a mallet, as I once did, to put a piece of land in productive state, I should use plants. Blessed be weeds. Some are minute but all are soil builders. They give their bodies back to the soil and add to the supply of highly available plant food. Tillage and plants I would emphasize in soil building." Farmers are indebted to Doctor Roberts for so persistently advocating the value of cultivation to make available the immense amount of potash stored in the soil. At first the statement was ridiculed, but others investigated and found that he was right.

Then he and others took up the question of raising leguminous plants and plowing them under to add nitrogen to the soil which had been gathered from that boundless reservoir, the air. Thus the two most expensive plant foods became the least expensive. Then came his advocacy, renewed persistently, of the cover crop, so that the plantless soil during the winter is only to be found on farms whose owners are too stubborn to learn.

"The monarch oak, the patriarch of the trees, Shoots rising up and spreads by slow degrees. Three centuries he grows and three he stays. Supreme in state; and in three more decays."

"Whose portrait is that in my room? Such a charming face!" After a chilly silence my hostess answered: "That is my husband's first wife."

The conversation rather languished during the rest of our meal, but I made no effort to revive it.—Century.

A Farmer's Soliloquy.

To sow? To till?

That's the question.

Whether it is better to rip 'em up

Or get an ax

And smite them.

To feed, to eat, perchance to choke—

Aye, there's the rub.

For if we cleft them not

The steers can't eat the corn this year.

Whether it is better to buy a mill

And saw the ears,

Or get an ax an sweat and toil

And hew them down to size

Where the steers can get them in their faces.—Kansas Agriculturist.

The yield of milk from a full-grown whale is from five to seven hogheads a day. The milk is fresh and sweet and peculiarly rich in nutritive and medicinal qualities. It is much thicker and richer than the best Jersey milk and possesses a peculiarly pleasant and distinctive flavor which those who have tasted it pronounce superior to any known product of the lacteal variety. Chemical analysis has shown that the milk of the sulphur-bottom whale is rich in those some fats and protoids which give to cod liver oil its value as a remedial food.

Be kind always. Be gentle when necessary. Be tender sometimes.

Those who are ever afraid of failure will never succeed.

You can sometimes afford to deceive a friend, but never an enemy.

It is better to love two people than to hate one.

The man who woos with gifts must take it for granted that all women have cortizan instincts.

We cannot too quickly forget to remember an injury.

The woman who exploits her sex ever so delicately is a grafter.

Always remember that the wrongdoer is your brother.

Success cannot always be measured by results, for the quality of intention must also be considered.

If a man waiting for elevator looks up, he wants to go down. If he looks down, he is waiting for it to go up.

To stand alone is to stand on air.—To-Morrow.

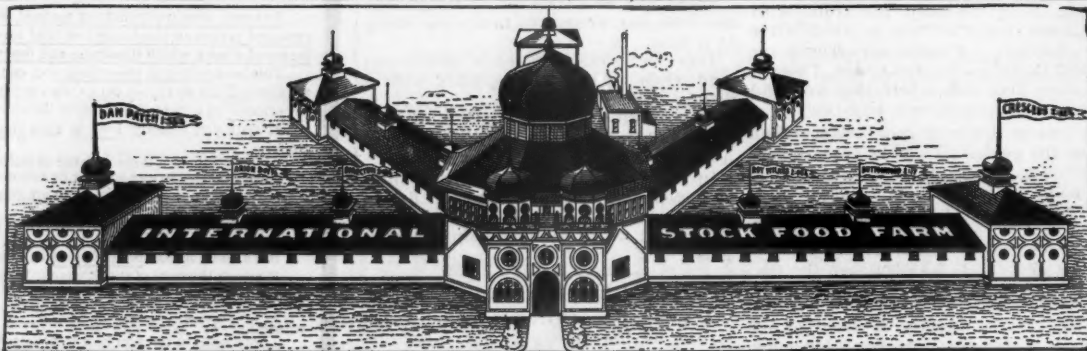
Winkle—"After all, the first year of married life is the most unhappy, don't you think?" Tod—"Oh, yes. It takes about that long for a man to learn how to conceal things from his wife."—"Town and Country."

SPRAY WITH THE ORCHARD MONARCH

Entirely AUTOMATIC, no hand pumping, no expense for power. BEST AGITATOR ever invented with BRUSHES which clean suction STRAINERS. Read following unsolicited letter.

"Last spring I purchased the Orchard Monarch which gave the best satisfaction, sprayed orchard of three hundred trees faithfully three times, had 800 bbls. of apples, and have sold them unsorted and unpacked just as they came from the trees at \$2.75 per bbl. F. H. Latin, M. D., Health Officer, Town of GAINES."

DO YOU want a large crop and first class fruit? Use our Orchard Monarch. Write for catalogue and special delivery price at your Railway Station. FIELD FORCE PUMP CO., 226 11th St., ELMIRA, N. Y.



YOU ARE INVITED TO VISIT THE MOST FAMOUS HORSE BREEDING FARM IN THE WORLD

M. W. Savage, sole proprietor of "International Stock Food Co." Minneapolis, Minn., is also owner of "International Stock Food Farm" of 700 acres, 10 miles from Minneapolis. The above engraving shows the main training stable which was designed by Mr. Savage and is the only stable of this kind in the world. It is 400 feet long and 100 feet wide and contains 100 stalls each having good light and outside windows. The center is over 100 feet high and contains a large tank in the top, which gives a good supply of water throughout the entire stable. The entire stable is heated by steam and hot water and cost over \$80,000. We also have over 100 additional stalls in our brood mare stables. This farm is located in the beautiful and fertile valley of the Minnesota River, which empties into the Mississippi River at old, historic Fort Snelling. The farm is reached by both Steamboat and train and is one of nature's garden spots for a farm of this kind. A sparkling trout stream which never freezes winds its way through the farm and under the shade of many magnificent trees gather many picnic parties to enjoy the beauties of nature and to watch the care and training of the large number of colts always in training on our mile track located on river bank and built by the world's famous track builder Mr. Seth Griffin. This is one of the very best and fastest stock tracks ever built and although built on comparatively level ground it cost \$1800, on account of the slow, careful work necessary to the best section and placing of the sod. We selected sod that had never felt the disturbing touch of a plow and placed the sod up. This makes a track of unusual life and elasticity so that the colts do not become sore or bad galled from their every day training. We are also building a half-mile track for special use when the mile track is unfit for use by reason of rainy weather and for the training of colts intended for race events on half mile tracks. "International Medical Springs" is located on this farm and has a flow of 6000 barrels per day. This water is deliciously medicated and is noted for its many cures. Twenty-five springs are located in different parts of the farm and it is abundantly supplied with the purest of water. "International Stock Food" farm is the only farm in the history of the world that ever owned such four World Champion Stallions as Dan Patch 1554, Orceus 2074, Directum 2064 and Arion 2074. These stallions are all the present time champions in their classes and with our other stallions Roy Wilkes 1584, Ed Patch 2064, Stationwood 2074, Directum Jr. 2064 and "International Stock Food" three times per day. Dan Patch 1554 the fastest harness horse the world has ever seen, never broke the world's record until after he had eaten "International Stock Food" six months. It made his blood pure and rich, permanently strengthened his entire system, aided his digestion and assimilation so that greater nerve force was produced and this gave more speed, endurance and strength. Since eating "International Stock Food" Dan Patch 1554 has broken twelve world's records and closed the season of 1906 in remarkably fine condition and running over with speed.

We also have one hundred high class brood mares and their colts every year and they eat "International Stock Food" every day. When you visit the farm we want you to look them over specially and see the results. We have colts for sale by our Stallions which you can buy by mail as safely as if you saw them. We

guarantee to refund your money immediately if purchase is not exactly as described. We take all risk and guarantee satisfaction. Write us at any time. Our loss of colts at foaling time has always been extremely small and we attribute this to the fact of our mares being kept in much better condition by the constant use of "International Stock Food". Prominent horse breeding farmers and trainers are regular users of "International Stock Food". It pays us to feed it to our horses, it pays them to feed it to their horses and we positively guarantee it will pay you to feed it to your horses and other stock. If it ever fails the use of "International Stock Food" will not cost you a cent as it is always sold by over One Hundred Thousand Dealers on a "Spot Cash Guarantee". It will pay you to test it. If not for sale in your locality write direct to us and your letter will have prompt attention. When in this locality, Mr. Savage specially invites you to visit "International Stock Food" farm, and the freedom of the farm is yours at any season of the year. We want you to compare the different families that we are breeding and to personally see the results of feeding "International Stock Food". A large number of men are constantly in attendance at the farm and you will be shown every corner in looking over the farm and examining the horses. We never advertise anything but what we can show you with pleasure.

Our Elegantly Illustrated Farm Catalogue.

We have just published a very handsome illustrated Catalogue of our farm and horses. We believe this to be the most attractive catalogue of this kind ever published. It is printed on heavy enamel paper, elegant colored cover and contains 60 pages 9 by 12 in size. It gives a correct history of the racing life of each of the four Champion Stallions with name of track and date where every important race was held. This matter is written in a thrilling style that appeals to every horse owner or lover of a horse. This Catalogue contains so much horse history that every horse lover should have one. It not only gives this history but it also contains many very beautiful half-tone pictures of these world Champion Stallions, brood mares, colts and general views of farm, river and valley. This book would grace the library of any man. We cannot afford to mail this beautiful book free to the several hundred thousand farmers and stock breeders who will want it for reference. However we have decided that we will mail one copy free to anyone who writes us and encloses 50 cents in stamps for postage, etc. If you would like a copy be sure and write at once and the Catalogue will be mailed promptly. First thousand cost us \$1.00 each.

DAN PATCH 1:55 1/4 MAILED FREE

We have a Beautiful Six Color Picture of our Champion Pacer, Dan Patch 1554, size 16 by 24. Free of advertising, fine picture for framing, gives all the records made by the pacing wonder. We will mail you one free, postage prepaid, if you write us how much stock you own and name this paper. Write to INTERNATIONAL STOCK FOOD CO., Minneapolis, Minn., U. S. A.

ONE THOUGHT.—LIVE FOR-EVER ROSE. It is hardy and insects do not bother it.

Don't buy a Vehicle of any kind until you get our New Vehicle Catalog

We Ship on 30 Days Trial

We Don't Ask for Any Money with Order

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send it to us and we will mail you free the most complete catalog of vehicles and harness ever printed. The cuts are ever made. Don't buy a vehicle or harness until you get our 1906 catalogue and see our astonishingly low prices and the most liberal terms ever made.

MARVIN SMITH CO. CHICAGO, ILL.

How Many Trees on an Acre— Advice to a City Man.

In reply to an inquiry from a subscriber of Green's Fruit Grower, I will say that there are many people who do not realize how many fruit trees can be grown on seven-eighths of an acre of land. You speak of planting less than a dozen trees and ask if there will be room for them on nearly an acre. The facts are that on an acre of ground there would be room for 500 trees to be planted, and there would be room enough for each tree to remain upon this acre, until they have grown many crops of fine fruit. After the lapse of years when the trees begin to crowd each other, when the branches of one tree begin to disturb the branches of another tree then every other tree should be removed, since I do not favor crowding trees. Where many trees are grown on a small piece of ground each tree can be kept within small space by cutting back the ends of the branches each year, thus making them like dwarf trees. Trees thus cut back often produce finer and larger fruit than trees that are not cut back. The Japanese make dwarf trees of even the large forest trees so that after the lapse of a man's lifetime the trees can be carried about in a tub. Few people understand what can be done by dwarfing trees by pruning. They write to the nursery, asking if they can buy dwarf apple trees, when they can make any apple tree dwarf by annual pruning. What would become of the hedge if it was not pruned annually. It is simply

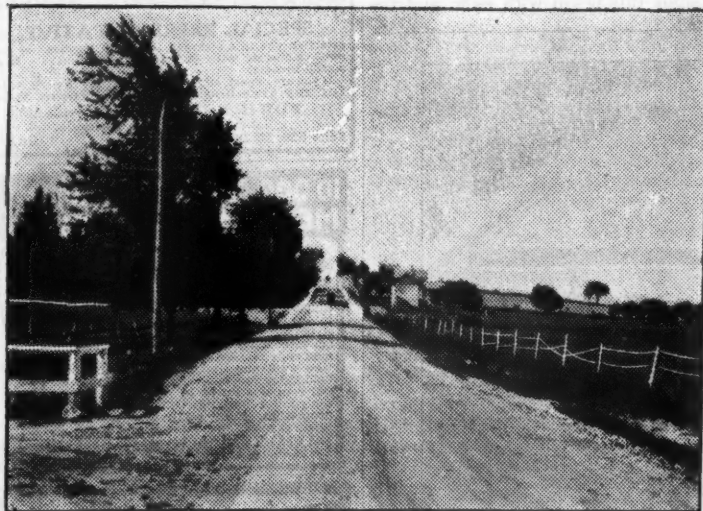
Gems of Thought.

Lest you come to fussing about your soul, give it once for all to Christ and occupy yourself chiefly with Him. Keep near Him so that His Spirit can seize you and color you to His mind. Christ ought to be a more vivid concern to you than anything you do in Christ's name.—P. J. Forsyth.

Courage is just strength of heart; and the strong heart makes itself felt everywhere, and lifts up the whole of life, and ennobles it, and makes it move directly to its chosen aim.—Henry Van Dyke.

"I cannot sweep the darkness out, but I can shine it out," said John Newton. We cannot scourge dead works out of the church, but we can live them out. If we accuse the church of having the pneumonia, let us who are individual air-cells in that church breathe deeply and wait patiently and pray believingly, and one after another of the obstructed cells will open to the spirit till convalescence is re-established in every part.—A. J. Gordon.

"Home-keeping means a study into things strange and complex, an inquiry into the greatest questions of life. Here under one roof clusters a little circle of wonderful beings—human beings. They are quite different one from another. Each has his queer little ways. Some even are thought to be most peculiar," though, if the truth were known, some good cause lies underneath it all. And some are fond of this, and some of that. Yet, here they must live, and live in



Another highway near Rochester, N. Y., improved with pavement consisting of broken stone about one foot deep, graded and firmly rolled.

because the hedge is pruned annually that it is kept of uniform height and within limit, and is made just as large or small as is desired. I have a neighbor who, on less than one-quarter of an acre, has numerous fruit trees of all kinds in addition to vines, small fruit plants, etc., and she also has a house upon the same plot.

The Fameuse or Snow apple is of excellent quality and should be included in every collection. Spitzenburg does not do well everywhere but is an apple of high quality. Plant a Bananna apple tree for winter, and a Red Astrachan or Yellow Transparent for early summer. R. I. Greening is not excelled as a cooking apple. You ask how near together trees should be planted. Ordinarily in the farm orchard where there is plenty of land apple trees should not be nearer together than two rods, but in the city garden they may be planted ten feet apart and remain there safely for many years. So you see it is simply a matter of convenience how near you plant trees. In my city garden I plant dwarf pear trees four feet apart in the row and secure bountiful crops from them. The best time to plant trees, vines and plants is in the spring, as early as it is possible to get them in the ground after the frost has departed and the ground is settled.

The Board of Trade of New Orleans reports that during September, 1905, 112,000 bushels of wheat and 53,323 bushels of corn were cleared from that port, while during September, 1904, no wheat at all and only 20,964 bushels of corn were cleared.

In the month of August, 1905, 390,811 dozen eggs were exported.

A test of greatness. It is easy in the world to live after the world's opinion; it is easy in solitude to live after our own; but the great man is he who in the midst of the crowd keeps with perfect sweetness the independence of solitude.—Emerson.

harmony, just as colors must blend and contrast to give joy—for the home must be the center of joy, else it is not really 'home.'"

Give me three hundred men, give me one hundred men with a passion for the salvation of this city, and I will answer for it, Boston shall be saved.—Phillips Brooks.

If a man will not let good into his life, evil will and must possess it. If he would eject evil from his life, he can only do so by letting good into it.—Henry Drummond.

It is a good and safe rule to sojourn in every place as if you meant to spend your life there, never omitting an opportunity of doing a kindness or speaking a true word or making a friend.—John Ruskin.

Empty hours, empty hands, empty companions, empty words, empty hearts draw in evil spirits, as a vacuum draws in air.—William Arnot.

Potatoes should be eschewed by those who "have a horror of getting fat," as that is one penalty of eating them.

Spinach has medical properties and qualities equal to the most indigo of all blue pills ever made.

Parasites, it is now contended by scientists, possess almost the same virtues that are claimed for sarsaparilla.

Beets are fattening and even a moderately learned man will explain because of the sugar they contain.

Ordinary lima beans, some one has said, are good to allay thirst, but the same can be said, with equal truth, of a pitcher of water.—Credit.

In Trouble.—"He's sorry now that he quarreled with his wife."

"She has gone home to her mother, I suppose."

"No; she's had her mother come home to her."—Philadelphia "Press."

Mrs. De Playne—When I married my husband his eyesight was very poor.

Mrs. Dimples—Yes, it must have been.



EVERYTHING for the GARDEN

is the title of Our New Catalogue for 1906—the most beautiful and instructive horticultural publication of the day—186 pages—700 engravings—7 superb colored plates—7 duotone plates of vegetables and flowers.

To give this catalogue the largest possible distribution, we make the following liberal offer:

Every Empty Envelope

Counts as Cash

To every one who will state where this advertisement was seen and who encloses Ten Cents (in stamps), we will mail the catalogue, and also send free of charge, our famous 50-Cent "Henderson" Collection of seeds, containing one packet each of Giant Mixed Sweet Peas; Giant Fancy Parsnips, mixed; Giant Victoria Asparagus, mixed; Henderson's New York Lettuce; Early Ruby Tomatoes; and White Tipped Scarlet Radishes; in a coupon envelope, which, when emptied and returned, will be accepted as a 25-cent cash payment on any order amounting to \$1.00 and upward.

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FOR PARTICULARS SEE OUR CATALOGUE, PAGE 2, ALSO

\$1000 CASH to those who use our catalogue as suggested. See Catalogue, page 3.

No matter whether you are a small or large user of seeds, or whether you buy field seeds, vegetable, or flower seeds, get Northrup, King & Co.'s Free Catalogue and read all about these three wonderful offers. Write for this 1906 Seed Encyclopedia before you make any plans for buying your 1906 supply of seeds for the farm, garden or lawn.

FREE Vegetable and Flower Seed Premiums to our 1906 customers. See Catalogue, page 4.

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American fence is a structure of hard, stiff steel wires, possessing great strength and flexibility, adjustable to uneven ground, sound durable and guaranteed. Great improvements are continually being made over the fences of years ago. See the modern, up-to-date American fence, built of big lateral wires, with heavy upright or stay wires hinged—the most perfect structure for a square mesh fence.



It is Steel that makes possible the great modern structures, like bridges, skyscrapers, locomotives and steamships that people confidently trust. Steel for wire is specially made and becomes stronger and more durable by drawing into wire and annealing. And when thoroughly galvanized by lately improved processes and woven into American fence, makes the most substantial structure about a farm. Properly put up and treated, it is a permanent and money-making investment for many years.

We sell through dealers all over the country. In this way the buyers' interests are best looked after. Dealer then becomes your business friend and he will see that you are treated right. See him, examine different styles, get catalogue and make selection to suit your requirements. Or, write us direct and we will send catalogue and tell you where you can get the fence.

NOT EXPENSIVE—Prices range from about 17 cents a rod up, according to height, style and location of your place.

American Steel & Wire Co.

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Protected by Powderpaint.

DON'T judge my discovery. POWDERPAINT, by the price. Because it costs you only about 1/4 the price of lead and oil paints, don't get the idea that it will not give as good service. For POWDERPAINT not only lasts long and looks well but it goes farther, its covering power is one-third greater. As I can prove by many well-known users.

Here's why POWDERPAINT wears so well.—Why it resists heat, cold, frost, rain, acids, gases and all weather conditions, to such a remarkable degree: It is based on the cement principle, as applied to paint. You know Portland Cement when mixed with water, sets and becomes hard as stone, hence it is called "hydraulic" cement. Oil paints stick to various surfaces on account of their peculiar adhesive qualities. Now, POWDERPAINT is both hydraulic and adhesive. It is made from the purest pigments, combined with adhesive substances much stronger than oil. Mix cold water with POWDERPAINT and it forms a hard, durable, enamel coating which will not dry out from the sun's heat and become soft and chalky. Nor will it peel, check, blister or crack. But, like Portland Cement, it "stays put."—Holds its shape year in and year out.

I was born and raised on a farm. And I know how expensive it is for the

Good Paint Without Oil at 1-4 the Cost

farmer to keep his buildings properly protected from the weather with oil paints. POWDERPAINT is the best paint for barns, poultry, hog and sheep houses. It saves 3/4 in price, and you and your hired man can easily do the work at odd times. For painting inside of poultry houses, etc., to destroy disease germs and for use on fruit tree trunks to destroy insects, it has no equal. And it reduces your insurance, because POWDERPAINT is fire-proof, as well as weather-proof paint.

I also make DOUBLWEAR PAINT. A high-grade, ready-to-mix Oil paint, guaranteed for five years—at 1/2 less than the price of other paints not as good.

POWDERPAINT is best adapted for farm buildings, fences, factory, mill buildings, etc.—houses, fine interiors, etc. I make paints in my own factory and sell direct to users at a price representing cost of material and labor, plus one small profit. You save all dealers' profits—and I pay the freight.

If you have anything to paint this spring it will pay you to send for my free paint samples. State whether you want POWDERPAINT or DOUBLWEAR, and I will also send you a very interesting booklet filled with practical paint advice, showing just how you can save from 1/2 to 3/4 on your paint bills.

**A. L. RICE, Paint Maker,
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FREE TO BOYS!

We have bought a number of these guns and are giving them away. We guarantee you can earn one in a day easily. Many have earned one in an hour. No cheap pictures or jewelry to sell. Our plan does all the work. Simply say you want a gun and you will be surprised how simple our offer is and how easy it is to get the gun. Do not delay or somebody will get ahead of you. Write today. We refer you to any bank in Des Moines. We are a responsible firm and do as we agree. Never will you have another chance so don't delay. Write at once.

DESCRIPTION.—Single barrel, take-down pattern; choke-bored; insuring superior shooting qualities; automatic self-jacking; case hardened frame; top map action; rebounding lock; walnut stock, hard rubber butt, reinforced breech, 12-gauge, 28 or 30 in. barrel. Will shoot any shell made. Winchester, U. M. C., etc. Every detail perfect. Can be taken down instantly into two pieces.

Write for book telling what dozens of Weight 6 lbs. men and boys say of this gun. Write to: **105 TENTH STREET, Successful Farming, DES MOINES, IOWA.**

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To introduce our New Violin Catalog and SPECIAL VIOLIN OFFER we will send for the next thirty days our 60-cent music book, containing 24 pieces of easy-right music, such as Overtures, Waltzes, Two-steps, etc., printed on fine paper. We want to get our new handsome illustrated catalog of Violins, Guitars, Mandolins, Musical Supplies, Strings, Bows, etc., in the hands of every violin player; so if you will send the names of four persons who play the Violin we will send you our music book free, also our catalog. Write names and addresses plainly and enclose five 2-cent stamps to pay postage and mailing cost of your music book.

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GREAT FIREPROOF SAFE OFFER.

If you will cut this advertisement out and send to us we will send you by return mail the greatest fireproof steel combination lock safe offer ever heard of. **THE HIGHEST GRADE** fireproof steel safe made in the world; small, medium, large and very large safes; single door, double door, also outside and inside door safes. A great variety of sizes, styles, shapes and weights, the highest grade safes made in the world and at prices about one-fifth the prices charged by others.

WE WILL DELIVER you a safe to your town at one-third what you could buy a second hand safe for. Our liberal terms offer, our six months' free trial offer, easy payment plan, our guarantee, everything will go to you by return mail, postpaid. If you have any use for a safe in a private house, in a store, factory, office, bank, or elsewhere, don't fail to write us. You will get the most wonderful offer ever heard of.

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Virginia and Chesapeake, winners of \$100 GOLD PRIZE offers; also Cardinal, Commonwealth, North Shore, Oak Leaf, Glen Mary, Stevens Champion, and 90 others; best list, good stock, reasonable prices: Dewberries: Lauretta and Augusta. **SEEDS** Cabbages: New Volga, Frise, Allen's Prize of the Market, Arlington Spine, Shamrock, etc. Cautious: Allen's First Choice, True Rocky Ford, Tennessee Livingstone's Globe, Allen's Best, Chalk Jewel, Maule's Earliest, Earliest, etc. Kansas King, Eighty Day Yellow Dent, Maryland Queen Field Corn. Best new and standard Garden, Field and Flower seeds, Asparagus Roots, Special Agr. Implements, etc. **50 PAGE CATALOGUE FREE.** Send address on postal NOW. It tells about lots of good things for the farm and garden and where to get them.

W. F. ALLEN, Dept. 45, Salisbury, Md.

Save Money and Get Best

Trees, Roses, Vines,
Plants True to Name,

by ordering direct from our nursery. We have no tree agents to pay, but give you that advantage in prices. Send for our

ILLUSTRATED FRUIT BOOK. It's Free.

It contains everything you want for the orchard, garden, lawn or park. Send for the book to-day stating where you saw this advertisement, and we will also mail you a copy of *Green's Fruit Magazine*.

Green's Nursery Co., Rochester, N. Y.
Established 25 years.
Capital, \$100,000.00.
Now is the time to order.

Scientific Butter Making.

Written for Green's Fruit Grower.

Millions of dollars have been lost by the old fashioned way of making butter on the farm. Many times it is impossible to make butter by the old methods and get it to the customer in the city in prime condition. The old style butter would not keep, thus strong tasting butter was commonly met with in the city restaurants and hotels, as well as upon the farm, and highly flavored first-class butter was rarely met with. But now, thanks to modern machinery, a great change has occurred. Butter churns have been invented, but the greatest change is due to the separator, which is a machine by means of which the cream is rapidly removed from the milk while it is sweet.

Enterprising dairy farmers now have separators on the farm. Instead of taking all the milk to the creamery they simply take the cream, and the cream of several days or a week may be taken at one time, saving much labor. When the cream is received at the creamery from the farmer it is pasteurized, so that it will keep until ready for the creamery churn. During this process the cream is heated to 190 degrees.

At the creamery the cream is brought to a uniform temperature, a small amount of milk is added, and all is thoroughly mixed by machinery. A chemist is ever present to decide when the cream is in the right condition for being transformed into butter. The butter is salted, and colored if desired, and thoroughly worked by corrugated rollers run by machinery. The butter is immediately

Entire Wheat Flour Bread.

Written for Green's Fruit Grower by Miss L. E. Eldridge.

Entire wheat flour bread is made the same as ordinary wheat flour bread: One quart flour, two-thirds cup new potato yeast, one tablespoon molasses (this may be omitted) mix with warm milk and let rise over night in a warm place. Bake until well done in an oven at good baking heat, after moulding in the morning and rising a second time. This gives excellent bread. It is much better for the family table than so much white flour, and for the children's lunch basket. With fruit one is indeed well fed with this bread. Apples baked or stewed and if one can afford, cream, and bread of this flour is a dish fit to set before a king. Pears, plums, apricots, indeed any sort of fruit is delicious and healthful as sauce. Most appetizing and wholesome sandwiches may be made from slices with thin layers of cheese between. The following is excellent for children's lunch baskets—a square of gingerbread, a Talman Sweet or any good eating apple with the sandwich mentioned above. And the child's lunch is worthy the mother's thought. Many children start for school with poorly prepared lunches as to nutrition, and that which is wholesome and nourishing costs no more, nor so much as that which pleases the palate but does not build up. A fine, nutty aroma will be noticeable in the pantry after the loaves have stood awhile. If the crust is quite hard, as it sometimes will be after a thorough bake, spread a little butter over it. Almost any one will enjoy this bread with milk, and the



This is a scene in New England. The farmer is drawing in his supply of firewood with teams of oxen. Our readers know from experience the appetite that such work during frosty weather gives. There are few men who enjoy eating as does the chopper or drawer of wood.

put in cold storage, where it is held ready for immediate shipment.

It will be noticed that butter making is now reduced to scientific manufacturing. All details are carefully conducted on scientific principles by experts, with best known equipments, therefore the product is not an uncertain question as formerly. It is for this reason that dairy butters sells for five to ten cents a pound more than can usually be received for ordinary farm butter. Dairy farmers who live near a creamery can make more money by selling their cream to the creamery than by making butter at home in the usual manner.

Lorenzo Chase, (known as Ren Chase), the guide has been my companion through many fishing trips in the Adirondack mountains. He knows the pools where the trout congregate, knows how to fix up an attractive lure in the way of bait, thus those who employ him make the largest catches of trout. His spirits are easily elated or depressed. If the fish do not bite, he groans or grunts his disapproval. If they take the hook freely he bursts into a whistling or singing. The weather is often too dry to suit him and then his complaints are loud and frequent. Again rains are too frequent or the sun is too hot and he indulges freely in mutterings of discontent. If it would only cloud up we would catch fish or if it would stop raining or warm up a little, all would be well with the guide. He has a hobby of squinting his eyes until the lids appear entirely closed, evidently to shut out unattractive weather which interferes with his occupation as guide. He is a good talker. I have listened to his bear stories or other mountain adventures for hours.

"Keep bright and don't mind the clouds," said the sun.

"Cultivate a calm exterior, but be ready for emergencies," said the innocent flower, "even I always carry a pistol."—"Success Magazine."

wholesomeness and healthfulness of such a dish is at once apparent.

Church Reform Urged.

Rev. E. F. Blanchard, writing in the Christian Work and Evangelist, says: "Why, then, should one feel it necessary to unite with the church? The lodge, as a fraternal institution, surpasses the the church; insurance in a benefit order is better than church charity; and one can enjoy all the essential advantages of the church without becoming a member, equally with actual members. The remedy needed is evident. The practical and business-like spirit must be restored. Church membership must mean more. The church should fill today the practical mission to the household of faith that the early Christian church filled. But this change cannot be realized with present methods in vogue. New church methods are needed. In fact, the church needs a thorough reorganization on advanced ethical, practical, fraternal, and business-like principles."

Tom Pinch.

"An ungainly, awkward-looking man, extremely short-sighted and prematurely bald, stood hesitating with the door knob in his hand. He was dressed in a snuff-colored suit, of an uncouth make, and was perhaps, about 30, but he might have been almost any age between 16 and 60, being one of those strange creatures who never decline into an ancient appearance, but look their oldest when they are very young, and get over it once."—Extract from "Martin Chuzzlewit," by Charles Dickens.

"Well, how do you like married life?" inquired the friend.

"Not at all," replied the man who had married money and was suffering for it. "I'm a case of matrimonial dyspepsia."

"Matrimonial dyspepsia?"

"Yes. She never agrees with me; she's too rich."—Philadelphia "Public Ledger."

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This is a genuine offer made to introduce the **PEOPLES CREAM SEPARATOR** in every neighborhood. It is the best and simplest in the world. We ask that you show it to your neighbors who have cows. Send your name and the name of the nearest freight office. Address **PEOPLES SUPPLY CO., Dept. 127 Kansas City, Mo.**

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What Happens in N. Y. City.

Every fifty-five seconds a train enters the city and unloads several hundred passengers, says the New York Tribune.

Every forty-eight minutes a ship enters the harbor, either from a foreign country or a coast port.

Every forty seconds an immigrant enters the city, and every two and two-thirds minutes one makes his home there.

Every six minutes a child is born.

Every seven minutes a funeral is held.

Every hour and three-quarters somebody is struck down in an accident; every ten hours there is a suicide; every two days, a murder.

Every thirteen minutes a man and woman marry.

Every ten seconds a new lawsuit is started.

Every twelve hours a new lawyer starts out in search of still more litigation.

New York city has a population of 4,265,000. This would be an increase of more than \$69,000 over the population of \$4,37,202 returned by the federal enumerators in 1900.

Marshall Field, who recently died in New York city, aged 70 years, began life as a farmer's boy in Massachusetts, trying a clerkship in a country store. Then, going to Chicago, and growing up with the town, he finally became the head of a mercantile establishment which did a business of more than \$50,000,000 a year.

Honesty and industry have always been associated with his name, and he was not a stranger to philanthropy and the arts. In addition to his dry goods business he had extensive banking interests, owned more than \$50,000,000 worth of real estate, was the chief stockholder in the Pullman company, held enormous quantities of railroad stocks and bonds, and was a director in the Steel trust.

In spite of this colossal wealth he was a modest and retiring man, little known to society, though his handsome looks and cultivated mind were calculated to grace it.

It is interesting to recall that throughout his long career the public never said any but kind things of Marshall Field.

The time a man is grateful is before you do something for him.

It is a pity people can't get their brains polished up the way they do their finger-nails.

If a man can run his own house it is a sign he isn't much good at running anything else.

You never found any girl taking consolation out of the fact that the reason she has freckles is because she has a delicate complexion.

Epsom Salts, \$5.00 per ton.—Did you know the epsom salts which you buy at your druggist's for ten cents an ounce are found in Wyoming in beds as big as a small farm? The salts are found in various arid regions of the state, and are almost unlimited in quality. They comprise only one of a number of strange mineral products exhibited by Wyoming in the Mines and Metallurgy building at the Lewis and Clark exposition.

The \$101,000,000 Canal. The speakers have no small contract on hand, for it is difficult to establish that enabling the western graingrower to get his wheat or corn to New York at lower rates will benefit the New York farmer, who never the less will have to bear a part of the burden which the building of the canal and its subsequent maintenance will entail.

"Well, I don't care," exclaimed the angry husband. "No man with any sense at all would approve of your actions." "But, my dear," calmly inquired the other half of the matrimonial combine, "how do you know what a man with any sense would do?"—Cincinnati "Enquirer."

Her First Concern.—Disturbed by the kiss of the magic prince, the sleeping beauty awoke.

"Dear me!" she said. "I just know my hair is a perfect fright!"—Chicago "Tribune."

He—"You look bored somewhat."

She—"Not at all. I was merely thinking."

He—"Of what?"

She—"Of you."—"Judge."

"I owe to you, Dean Everett," said a student, ardently, "all that I know."

"Pray don't mention it," answered the professor, "it's only a trifle."—"Christian Register."

Little Willie—Say, pa, can you tell me what anarchism is?

Pa—Anarchism, my son, is some kind of a mouth disease, if I understand it aright.—Chicago "News."

Life Insurance.

The December issue of Green's Fruit Grower publishes an article on Life Insurance. E. G. Bennett, of our city, criticises some of the statements or inferences made in that article. I cheerfully devote this space to give his criticism a hearing. He says "I do not think there is any line of business of any magnitude in this country that can show so small a record of failures as Life Insurance business." He does not favor assessment companies and the editor agrees with him fully on this point, as many of them are not responsible. He says that it is a mistake to assume that life insurance costs more in this country than in foreign countries. The cost is actually higher in foreign countries. He does not consider it safe for a man to rely upon his own efforts to protect his family in case of death, and cites an instance where a farmer decided to protect his family by his own efforts, declined to take out a policy and in two weeks was killed by a horse and was instantly killed, leaving a wife and six children unprovided for.

The editor of Green's Fruit Grower is aware that much good is done by life insurance, and he would not attempt to discourage people from insuring their lives in case wives and children would be left unprovided for by sudden death.

The Best of Everything.

Proper management of such a fruit farm of ten acres should bring the owner not less than five hundred dollars an acre, says Professor B. T. Galloway, in "Youth's Companion." This will mean, of course, that crops must be handled in the right way, that intelligence and judgment must be used in their rotation, and that from frost to frost the land must not be idle. Grapes, strawberries, dwarf pears, raspberries and blackberries should be the principal fruits. By growing the best of everything, and making a special market for special products, the highest prices will always be obtained.

To one who wishes to specialize in fruit-growing the widest opportunities are offered. Apples, peaches and pears are the standard crops. There is always a demand for high grade fruits of these kinds, and their cultivation requires the exercise of intelligence, judgment and business ability.

Cheap lands eminently adapted to this work are to be found everywhere east of the Mississippi River. Within two hours' ride by rail of New York, Philadelphia, Baltimore, Washington, and some other large Eastern cities are to be found lands that can be bought for from ten dollars to fifty dollars an acre, which by intelligent management can, in ten years, be made to yield one hundred and fifty dollars an acre. These are not suppositions, but are statements based on actual accomplishment.

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Clerk—Eh?

Jenks—(shouting)—I say, does it really cure deafness?

Clerk—Well, I should say so! I've taken it regularly for twenty years—Philadelphia Press.

"Do you want me to tell you the secret of success in life?" asked the serious-minded man.

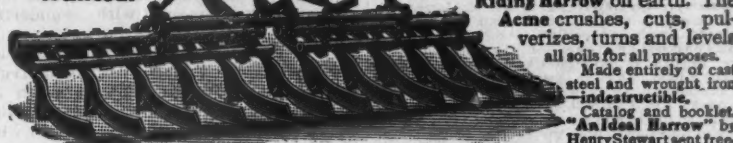
"What's the use?" said the frivolous woman. "I couldn't keep it!"—Detroit Free Press.

A little learning is a dangerous thing; Drink deep or taste not the Pierian spring; There shallow draughts intoxicate the brain,

—Pope.

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Agents
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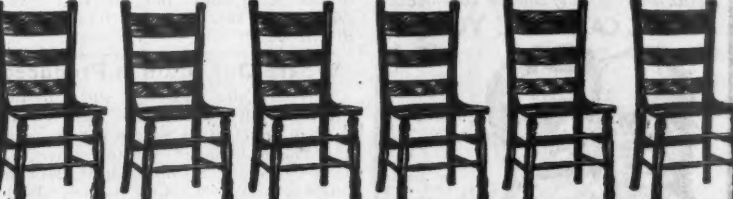
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Forty-eight years ago my father, who was himself a doctor, had a vicious cancer that was eating away his life. The best physicians in America could do nothing for him. After nine long years of awful suffering, and after his cancer had totally eaten away his nose and portions of his face (as shown in his picture here given) his palate was entirely destroyed together with portions of his throat. Father fortunately discovered the great remedy that cured him. This was over forty years ago, and he has never suffered a day since.

This same discovery has now cured thousands who were threatened with operation and death. And to prove that this is the truth we will give their sworn statement if you will write us. Doctors, Lawyers, Mechanics, Ministers, Laboring Men, Bankers and all classes recommend this glorious life-saving discovery, and we want the whole world to benefit by it.

HAVE YOU CANCER, Tumors, Ulcers, Abscesses, Fever Sores, Gout, Catarrh, Salt-Rheum, Rheumatism, Piles, Eczema, Scald Head or Scrofula in any form.

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J. H. Hale on Taste for Fine Fruit.

With the development of the many varieties of fruit, and with the development of a taste for fruit culture, there has been a wonderful improvement in the marketing of fruit and in the methods to be employed in marketing it. Putting the product in better packages has increased the demand with wonderful rapidity.

There is much in the manner of packing fruits. The tasteful display of fruit by the market men is doing much to stimulate its sale in our cities. But the successful grower and the man who handles fruit must put it on the market in the most attractive manner possible. In Boston they are maintaining a horticultural society, and they have as members many of the most influential people, and the dealers are also members. Good fruits are exhibited weekly, and the people are educated up to what is the difference between good and poor fruit. The dealers know what good fruit is, and it is offered on the market in the choicest manner, thus stimulating the buying of it at good prices.

Boston and Philadelphia, I think are about the same in population, and yet Boston will sell in a single day twice as much fine fruit, at an advance of from 20 to 40 per cent. over Philadelphia, very largely because of the greater taste displayed on the market stands. This has much to do with it. We want a general toning up along this line and the result will be more than satisfactory in the increased returns received.

The National Fruit.

The claims of the apple to be considered a national fruit are receiving substantial support with the beginning of the observation of Apple Day, says "Am. Cultivator." The claims of the apple rest on its production in most parts of the country and its popularity in all sections, while the United States is the leading source of supply. It is the American fruit in much the same way that Indian corn is the American grain. The only part of the country, however, which paid much attention to the first Apple Day was the Southwest, where some towns and counties held literary exercises and an apple feast.

In this section of the country a season of apple scarcity is hardly favorable for celebrations of this kind, since at \$2 to \$4 per barrel it would be difficult to secure donations to apples to feast the public. Very likely next full crop year will be marked by a more extended observation on the day, since a movement of this kind could not fail to result in advertising the apple and increasing the demand.

Where Our Grain is Produced.

A report just issued by the Bureau of Statistics shows that the total yield of corn in the United States this year was 2,707,993,540 bushels; Winter wheat, 428,462,834 bushels; Spring wheat, 264,516,665 bushels; oats, 953,216,197 bushels; barley, 136,651,020 bushels; rye, 27,616,045.

Illinois takes the lead in corn production with 682,000,000 bushels to its credit; Iowa next, 305,000,000 bushels; Nebraska, 263,000,000; Missouri, 203,000,000; Kansas, 193,000,000; Indiana, 187,000,000; Texas, 139,000,000.

Kansas takes the lead in Winter wheat with 73,000,000 bushels to its credit, Nebraska coming next with 42,000,000 bushels; then Indiana with 35,000,000.

In Spring wheat North Dakota, Minnesota and South Dakota lead off with 75,72 and 44 million bushels respectively.

Illinois and Iowa are pretty nearly tied for the leadership in oats, the former having 132 and the latter 131 million bushels to its credit.

The growing of apples promises to be a very profitable branch of horticultural activity in the future, as it has been in the past. The demand for winter apples is one difficult to satisfy. There are as yet many problems to solve as to the adaptability of varieties to different localities, but in every locality some varieties are known that are successful there. The sooner winter apple orchards are put out the better, as it takes a good many years for an orchard of that kind to come into bearing.

In brief, science believes that the universe is alive, with eternal life; and not only the universe, but every smallest part of it. Therefore we may believe that death does not end all, for there is no death. As Maeterlinck beautifully says, it is only "a bend in the road, hiding its further course from our view."

The phrase which has become trite by its frequent use, "The pen is mightier than the sword," which Lord Lytton put in the mouth of Cardinal Richelieu, was written when the steel pen had barely begun to supplant the quill.

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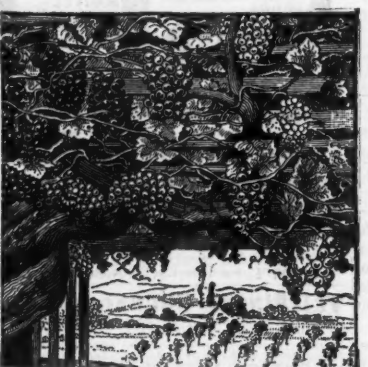
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Buying Eggs for Hatching.

Written for Green's Fruit Grower by J. B. Bacon.

There is no part of the poultry business that is more perplexing than buying or selling eggs for hatching. Some poultrymen have gone so far as to refuse to sell eggs for hatching. There are many reasons for perplexities in this branch of business, but we believe that one of the greatest reasons is a lack of understanding on the part of many buyers. Many men think that they ought to get ten or twelve chickens from a setting of thirteen eggs, and that every chicken ought to grow to be a "prize winner," and as all experienced poultrymen know, such are apt to be disappointed. We have bought a good many eggs from some of the best poultrymen in the country, paid high prices for them, and we believe that the average number of chicks hatched would be about six to the setting. To many this would seem a low average, but when we take into consideration all the drawbacks to a setting of eggs from the time it gets to the express office until it arrives at its destination, we wonder that any eggs could hatch. But with this average we believe it pays to buy eggs for hatching to get new blood into a flock. We never felt that we lost money in buying eggs, because we have got some very fine birds from them, and we have got from four to six birds from the setting, each one of which was worth more than the price of the setting. It is at this point that a great many overlook and condemn the poultryman because all the eggs he sells do not hatch. Just for example we will suppose that a man buys a setting of eggs and paying \$2.00 and 50 cents for express charges. He gets five chicks. We are putting it low. Now suppose he gets two good cockerels and three pullets. If they are all right and thoroughbred as they should be, at one year old he could not buy them for less than \$10.00 or \$12.00. We believe that when men learn and know the value of good poultry, and take into consideration all of the advantages of good stock over common mongrels there will be a great many more eggs sold for hatching than there are now, as it is a cheap and easy way to get started in raising thoroughbred stock.

How It is Used at Our Home.

Written for Green's Fruit Grower by Minnie Pearl Weaver.

Green's Fruit Grower is certainly a companion in my home. This kind and welcome magazine has been coming to my home twelve times a year for nearly twenty-one years. It never grows old and is more welcome every time it comes. It is so much appreciated by father, mother, sisters, brothers, and myself that it is pretty badly crushed till we decide who is to read it first. I must say that among twenty papers Green's Fruit Grower is the most welcome to our house. When it is brought home it would do you good to hear the cries from all parts of the house concerning it. From one corner we hear, "I want to see the Poultry Department;" from another, "I want to see Green's Health Department;" from another, "I want to see Mr. Green's Youth's Department." Then comes Mother saying, "I want to see Green's Woman's Department." When Mother gets it I know there is no chance for me till some other day, for when she gets about through it little sister comes to her saying "Mamma, read some funny things to me." Father thinks he must have it next. When the rest read Green's Fruit Grower before I do they try to tell me of everything they have read, but when I read it I always find something they have not read, and when I tell them what I have read they say, "Why, I thought I read everything that was in it."

I have a father, mother, six sisters and four brothers, and there is something in Green's Fruit Grower for every one of us. I think that a paper like Green's Fruit Grower and Home Companion should go to every home. I am sure we can't tell what part of it is most welcome to our house.

Medical climatology, a medical writer tells us, in developing into a science. It is an American science, for it is in America, where the many types of men are out of their natural habitat, that the habit of seeking a change of climate as a general cure-all has become almost universal. The kind of change needed is gradually becoming understood. A dry and bracing climate is not adapted to all persons and sunshine is too stimulating for many, while damp and fog seem to be necessary for certain nervous people and perhaps all blondes. An equable, relaxing climate acts as a sedative in disease of heart and kidneys.

Always put the sugar used in a pie in the center of the fruit, not at the top, as this makes the paste sodden.

Marlin

The cream of winter sport is fox hunting with bound and rifle. When the dog brings the yellow fellow around to your stand at last, it is well to be able to thoroughly trust your rifle, for you will get but one good chance at Mr. Fox.

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Extracts from Recent Testimonials.

The forge I purchased of you six years ago has always given perfect satisfaction. Thos. Blakely, Leatic, Mich.
I invented a Horse Hoisting Machine and made 75 of these machines with the Farmers' Forge. John E. Hickey, South Granby, N. Y.
It has proved more satisfactory than one of the all steel forges that one of my neighbors has. S. Drake, Hicks, N. Y.
It is the best article for the money that I ever saw or used. It caps the forge climax. E. Lewis, Middletown Springs, Vt.

Special Winter Offers Regular price of forge is \$4.50 but until March 31, 1906, we offer the Farmers' Forge complete, ready for use, for \$3.50 each, or one Farmers' Forge complete, one anvil and vice combined, and one pair of tongs, all for \$5.25. This offer may not appear again. Write to-day sending stamp for catalogue and testimonials.

C. A. S. FORGE WORKS, SARANAC, MICH.

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What's the good of "crawling in" and shutting out cold weather?

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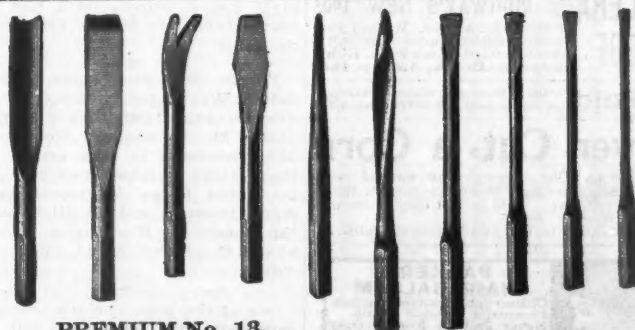
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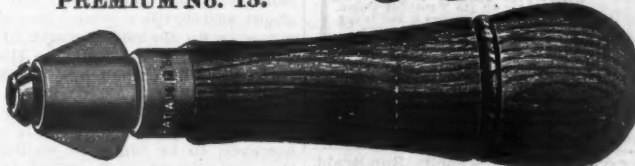
If interested let us send you our illustrated literature about the trip via the Rock Island and about California. It's plentifully illustrated and covers all the points you want to know—shows where to save money.



JOHN SEBASTIAN,
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There is no evidence in support of the contagiousness of Cancer. Those who have treated the disease very extensively say that there is no more danger of infection than from an ordinary sore. Dr. David M. Bye, the able Cancer specialist, of 325 N. Illinois St., Indianapolis, Indiana, says that he has treated cancer for almost thirty years and has never felt afraid of "catching" the disease. His method consists of the application of a Combination of Oils, discovered by him. It is soothing and balmy, safe and sure, and may be used at the home of the patient with success. He has cured many bad cases after all other methods had failed. He has written a book on the subject, which will be mailed free to those interested.

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Theory is a vine from which facts are gathered.

Charity with a string to it uncovers a multitude of sins.

The last turn of the worm is apt to be on the angler's hook.

If a woman refuses to tell her age give her time—for time will tell.

There is no fool like the one with a bald pate and moth-eaten whiskers.

All the world's a stage—and all the women insist on having speaking parts.

It's a shame that men are not as smart at 45 as they thought they were at 25.

A girl's dearest girl friend is apt to be one she has known less than two weeks.

It sometimes happens that a woman never forgives a man for letting her marry him.

Don't expect to meet with success; you must get a hustle on yourself and try to overtake it.

The festive hobo toils not, neither does he spin; yet Solomon in all his glory was not arrayed like one of these.

We often hear of a young man who is said to have a bright future before him—just as if he could possibly have it anywhere else. Chicago "Daily News."

Wild Story of Sable Island.—A weirdly romantic interest attaches to the storm-swept Sable Island which stands in the Atlantic's "gray and melancholy waste" eighty miles eastward of Nova Scotia, says World's Events. Here in 1598 the Marquis de la Roche left the expedition convicts, forty in number, whom he had brought out of France for the founding of a colony, while he sailed for the main land to find a suitable site for a settlement. But fierce and untoward winds drove the ship of the Marquis back to la belle France, where he speedily found a prison in which he was kept while the abandoned convicts on Sable Island, reduced to want, fought and slew one another like beasts over the scanty food. When the remnant was at length rescued they more resembled wild animals than human beings.

Many an umbrella has been recovered that has never been stolen.—Philadelphia "Record."

Landlord—"We have been forced to raise your rent." Tenant—"Oh, thanks. I couldn't do it myself."—"Judge."

Mrs. Kelly—"Was yure first husband a good provider, Mrs. Riley?" Mrs. Riley—"There was none better, Mrs. Kelly—an' he was that thoughtful. Befoor we'd bin married a week he got kilt on th' railroad, an' Oi got folwe thousand darters damages."—"Judge."

A Confused Impression.—"How did you find things in America?" asked the interviewer of the European who had come over here to look around. "Well," was the answer, "credit is dilated, stocks diluted and the President is delighted."—Washington "Star."

Jack—"Dora, how much longer have I got to wait?" Dora—"Why, Jack, we've been engaged only three weeks! When we are having such a happy time why do you want to cut it short and get married?"—Chicago "Tribune."

Poet—"I'm sure I don't know what to do with this poem. The editors say it's utter slush, and even my friends pronounce it nonsense." Friend—"Well, I'll tell you—why don't you have it set to music?"—Cleveland "Leader."

General Luis Terrazas, Governor of the State of Chihuahua, is probably the largest land owner in the world, as well as the richest man in Mexico. It takes an eight hours' journey on a fast train to travel from one end of his property to the other.

Wages.—Do you know how much money Washington received for his service as commander-in-chief of the army during the revolution? Not one penny. His successors in the army received their \$17,000 or \$19,000 salary a year, but for Valley Forge, Monmouth, the Delaware Crossing, and all other horrors of the Revolution Washington received not as much as you spend for a stick of candy.

One of the government's entomologists estimates that bugs cost this country about \$250,000,000 a year. The grasshopper eats up \$90,000,000 worth of vegetation if he is feeling well, the Hessian fly \$50,000,000, the chinch bug \$10,000,000, and the potato bug \$8,000,000 worth. Tobacco worms, moths, squash bugs, beetles, etc., make up the rest. This estimate, however, to be complete, should include the sums spent on political bugs.

To be able to form a fairly accurate judgment of a man's character and abilities is one of the most important factors in attaining worthy success.

Rocking the Baby.—The cradle, in some form or other, is, it may be confidently said, one of the every oldest of human institutions. Moses' little ark of bulrushes, it might be supposed, was one of the earliest things of the kind, but such a supposition would be very erroneous. Moses' little ark was pushed out in the Nile 1,300, or from that to 1,600, years before the Christian era. But there are in the British Museum some clay tablets found a few years ago on the site of ancient Nineveh, which, according to the archaeologists, make it quite clear that somewhere about 4,000 years before Christ there was another infant hero exposed in another little ark of bulrushes among the watering flags of another famous river. So that the cradle that was found by Pharaoh's daughter, and which no doubt was only the common form of the thing made water tight by a smearing of pitch, was comparatively modern; and probably, if the light of history could be switched on far enough back, it would be found that Sargon's cradle, to which the clay tablets refer, was only the latest development of something far more ancient still.

"You don't mean to tell me he's a pugilist?"

"Not at all. I said he was a lightweight boxer."

"Well?"

"Well, he's a packer of strawberries."—Philadelphia "Press."

The farmers are the most prosperous class of people in good times, and the most prosperous in hard times. Advertising to reach the farmers is an "all-the-time" proposition. —Judicious Advertising.

Queer Answers.—A pupil answering a question as to the nature of gases declared: "An oxygen has eight sides." In natural history, "A cuckoo is a bird which does not lay its own eggs;" "a mosquito is a child of black and white parents," and "a lizard is the inside of a fowl." In geography, "The equator is a menagerie lion running round the earth and through Africa;" "a meridian is the place where they keep the time," and "the inhabitants of Paris are called Parisites."

Galvanizing the Canal Corps.—Professional promoters would have us believe that the New York state thousand-ton-barge-canal project should carry because the demand for it by intelligent people of the state is already urgent and is to become irresistible.

Evidences that this is true are extremely hard to find. Political leaders of both principal parties are indifferent concerning the success of the canal campaign now about to open and, as party leaders, will hardly consent now or later to assume responsibility for any clean-cut, aggressive, organized effort in favor of the project.

The success of the scheme for spending approximately \$200,000,000 of the people's money is a child which politicians who have had their political eye-teeth cut are not in the least eager to father. —Syracuse "Post-Standard."

Some of the 1905 Strawberries.—It is interesting to me to read in your paper the experience of others with strawberries grown, says "Rural New Yorker. My experience in growing strawberries goes back over forty years. This year strawberries have done very well. I picked my first June 17, last July 21. The Salem was one of the first, and has proved to be in quality and size first-class; Governor Rollins, good size, holding out to the last, coloring all over. Aroma, medium to late, a first-class berry. North Shore, a late berry, large and solid, first-class. Commonwealth, large, late, prolific; quality, best; President, large, quite late, very slow to ripen. The top of fruit looks as though it was ready to pick while underside is white. I have tried it two years; do not want it any longer. July 8 I took two quarts each of the President, North Shore, and Commonwealth to the Massachusetts Strawberry show. There were three prizes offered; those that I put on the table took all the prizes. Wm. Belt is another first-class strawberry. As late as July 21 I picked Commonwealth, fine fruit, sold for 25 cents per basket. I have grown Oom Paul two years. It bears a long time, fine large berries, quality good; one of the best. Lester, Lovett and Gandy no later than Commonwealth, not near as much fruit.

Shadbolt—I had such a funny dream last night.

Dinguss—What was it?

Shadbolt—I dreamed that I asked you for the money you owed me and you paid it.—Chicago Tribune.




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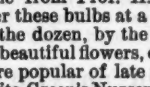
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Fifty-first Meeting of the Western N. Y. Hort. Society.

As Green's Fruit Grower is going to press at the time of the last day's session of the Western Horticultural society, this publication will be the first in the country to publish an account of the proceedings. President Barry in his address said that the men who organized this society would not have dreamed of the changes that have occurred in fruit growing during the past twenty-five years. Twenty-five years ago less than one-fourth of the present number were present at the meetings. The exhibits of fruits were small, and the exhibits of machinery could have been placed in a room ten feet square, whereas now a large hall must be occupied for the improved machinery for spraying, etc., and in addition large rooms must be provided for the large exhibits of beautiful specimens of fruit. He spoke particularly of the value of fruits as health food. We are just beginning to learn the food value of apples, grapes, strawberries and other fruits. A large portion of our people have not yet learned that fruits are an economical and wholesome diet, but men and women are learning this fact more and more every day, therefore the home consumption of fruit is rapidly increasing.

Fruit growers do not take enough pains in grading fruit, nor in making packages attractive. One reason for the marked success of fruit growers on the Pacific coast is that they are organized, and that the packing of second class fruit is not permitted, though it would not be profitable to pack the poor fruit and ship it from California if it were permitted. To grow fine fruit at the present day thorough cultivation, careful spraying, careful handling, grading and packing must be considered indispensable. Fruit of superior grade should be packed in medium size packages. A sale was recently made in New York city of a car load of Oregon pears which netted seven cents apiece at an auction sale, showing how fancy fruits are sought for at seemingly extravagant prices.

Attention was called to improvements in the manner of exhibiting fruits of late years. Greater interest was manifested in the exhibitions of fruits at state fairs and at horticultural meetings. The membership fee should be increased to \$2.00 so as to enable the society to pay its secretary more generously for his thorough work.

Dr. W. H. Jordan, director of the New York Horticultural Experiment station, said that the greatest dangers to agricultural institutions came from men who have been carelessly trained as scientists. Another danger lies in the fact that too quick results are expected from experiments. Expensive experiments are often attempted by the experiment stations, and the scientist realizes that he must produce results in order to have the experiments maintained, but in fact, more time should have been taken to thoroughly test the experiments. So called scientific facts are heralded daily by the newspapers that are not in reality facts, but simply hopes or expectancies of the experimenter. Such announcements are premature and deceptive.

QUESTION BOX DISCUSSION.

Can fruit growers afford to employ and support middle men? Reference being made to commission houses. The reply was that we can afford to employ middle men in connection with the sale of our fruits. Commission men are, as a class, enterprising and efficient, good business men, as honest as men are on the average. No society or organization can take the place of a good commission man. The commission man can overcome many difficulties that the fruit grower cannot cope with.

Has the Brown Tailed Moth appeared in New York yet? The reply was that it had not, but that it is approaching from Connecticut and fruit growers are warned against it.

Spraying was advised for brown and black spots on half grown peaches. Lime and sulphur mash has been tried with success. A good circulation of air, good drainage and dry conditions are to be preferred.

Is there anything in the much advertised pedigree strawberry plants? Prof. John Craig was not favorably impressed with pedigree strawberry plants over ordinary plants.

Mr. Hooker said that fog in the flowering season last year affected the apple crop near Lake Ontario, causing smaller crops in some orchards than others.

Is it advisable to attempt to destroy the San Jose scale in an apple orchard thirty years old? Prof. Slingerland thought it would be almost impossible to entirely eradicate the scale from such an old orchard, and thought it might be better to destroy the orchard and plant a new one.

How about mulching or cultivating cherry orchards? S. D. Willard said it was difficult to get men with brains and experience to manage your orchards. It required intelligence to mulch or cultivate a cherry orchard. He knew of no specified fertilizer for cherry orchards. Phosphoric acid is generally desirable, but much depends upon the character of the soil.

Is governmental inspection of fruit desirable? Prof. Craig said that our fruit is suffering in the markets of Europe, owing to the lack of uniformity of packing and grading, but he does not consider that government inspection will be employed. Recognized labels or brands, and recognized inspection on the part of organizations would result to the advantage of shippers of superior fruits. Grades and varieties of apples must vary according to different seasons and conditions. The duty of an inspector must be to decide what fruit should be passed and what inspected, but he could not inspect fruit after it was packed, because it is fatal to disturb packed fruit. Prof. Craig said that Canadian apples with the government brand on the packages are selling for more in Europe than apples from the United States.

Which is the best commercial apple for Western New York? Baldwin, Roxbury Russett, R. I. Greening were mentioned with favor as usual. Northern Spy had many friends. The Alexander, Wealthy and Duchess of Oldenburg were mentioned as satisfactory. Mr. Willard said we must consider first: Foliage; second, shipping qualifications; third, early bearing; fourth, productiveness. Mr. Willard spoke in favor of Hubbardston and Rome Beauty.

DR. L. H. BAILEY'S ADDRESS.

What shall the specialists of the college department of horticulture teach? They must discover what are the needs of the public. These needs can be discovered by attending horticultural meetings. Every horticultural department should have three divisions, each in charge of a man who is an expert and who is thoroughly grounded in the science and philosophy of the occupation. The time is past when instruction is acceptable simply by means of lectures and books. We must have laboratories in which the students develop their own experiments. It is useful to have laboratory exercises in grafting, propagation, pruning, spraying and plant bearing, but these are simply incidental and they really trifle with the great subjects. Laboratory work should cover the whole theory and process of the art. In pomology it should be a laboratory of fifty acres of actual orchards, in which all phases of the work from start to finish may be a natural operation. If the subject of pomology is worth teaching it is worth teaching in its entirety throughout the year, and not simply during winter, as is often the case. Leadership in rural affairs will come from the institutions of agricultural research and teaching. I like to think of the orchards and gardens of New York state as a part of the laboratory of our own department of horticulture at Cornell. To develop experimental institutions to the point of efficiency requires much money. It is better economy to develop them fully than to develop half way. Money assigned to these institutions is not a gift, but to be used in the interest of the people. There must be a policy of developing these institutions. The state can well afford to ask how it can aid them to do the work for the public. Experiment stations should not be asked to carry the double burden of teaching and also of securing the means to do the teaching.

PESTS OF THE APPLE ORCHARD.

Prof. P. J. Parroll said that many destructive insects are of foreign origin accidentally introduced from abroad. Destruction of forests and prairies accompanied with extensive planting have offered favorable conditions for the development of noxious insects which were originally of no serious importance. Of late the blister mite, too small to be seen with the naked eye, has injured the foliage of New York apple and pear trees. Many have by mistake, assumed that the injury to the leaves was caused by spraying. Work of the blister mite can be distinguished by the swelling of the leaf, whereas if the leaves are injured by spraying there will be no difference in the thickness of the affected parts. This apple or blister mite winters at the base of the bud. When the leaves begin to unfold in the spring the mites work their way into the leaves, causing them to curl over. By October 15th the leaves are free from the mites, which have migrated to the bark or to the buds. The remedy is to spray in early winter, or in early spring before the leaves begin to start, with kerosene emulsion, soap solutions, crude petroleum and the sulphur

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washes in the order named. The white grubs so disastrous to old meadows and strawberry plantations are difficult to deal with. Lawns may be sprayed with kerosene emulsion. Since these grubs breed in old strawberry beds the bed should be frequently renewed. The best way to eradicate the grub is to plow in the fall, or during winter and harrow the ground.

The old enemy, the rose bug or beetle, breeds in uncultivated sandy soil. It is an enemy to grape vines, rose bushes and to the apple and other fruits. It bites into the apple and sometimes six beetles are found feeding on one puncture of the apple. Frequent cultivation of the soil destroys the insect, also sprays of arsenate of lead. The apple maggot known as the railroad worm, has injured the fruit of some orchards in Western New York. The female insect punctures the skin laying the egg, which hatches into a worm that tunnels its way through the apple, after which the fruit falls. The remedy is to pick up the fallen fruit and

feed it to the pigs as fast as it falls. If not picked up the insect escapes from the apple and enters the earth to appear again the following season.

FRUIT DISPLAY.

Although the past year has not been a good one in Western New York for producing fine specimens of apples the display of apples, pears, grapes, etc., has never been equal to the present one. Our friend and neighbor, B. Burdett, of Clifton, N. Y., showed beautiful Fameuse, Spy and King apples. Thomas Bell exhibited eleven varieties of pears which his famous Rochester orchards yielded, giving evidence of high culture. The exhibit of the New York state experiment station was marvelous. The apples were divided into various groups, such as the Ben Davis group, the Baldwin group, R. I. Greening, King, Twenty Ounce, Wealthy and Yellow Belleflower groups. In each of these groups were gathered the different varieties of apples which resembled the Baldwin, the King, the Greening and other varieties named, which made the exhibit of peculiar interest. For instance, Sutton Beauty was shown along side of Baldwin as in the Baldwin group. It is indeed much like the Baldwin in appearance and flavor, but of better quality and not quite so large.

Farm Improvements.

Frank B. Headley desires to be informed in regard to every kind of farm improvement, kitchen improvement or orchard improvement. He asks that the readers of Green's Fruit Grower send in brief descriptions telling of every kind of improvement in machinery or otherwise pertaining to rural life. How much good you may be able to do, kind reader, by sending us for publication such brief reports as these. It may be a very simple thing which you would describe and yet it would be helpful to thousands of people. Remember that Green's Fruit Grower is read in over 125,000 families, probably by 500,000 people in all. A simple suggestion, such as having the name of the farm on a signboard plainly in view, or the name of the owner is helpful. I would suggest that a big rock be deposited in a conspicuous place out of the way near the road where the owner's name could be painted, or the name of the farm. A bulletin board something like a blackboard in front of the farm house telling what this particular farmer has for sale will be profitable. He may have fancy poultry, fancy butter, fresh eggs, a calf, pig, steer or various fruits for sale. Such signs might be made interesting to the traveler along the highway. I know of no one about the farm who needs more help than the farmer's wife, therefore do not forget to offer suggestions for lightening her work. If you can send good photographs of new ideas we will be glad to reproduce them.

My Dwarf Pear Hedge.—I have told my readers that I planted a row of dwarf pears across the full length of my garden about four feet apart in the row. I have attempted to keep these trees very lowly branched by annually cutting back every branch so that the trees would not crowd each other and would not occupy too much space in my garden. This annual cutting back has increased the size of the fruit, thus I get fine specimens from this row. I am short of land at my five acre city place, therefore have felt compelled to crowd other things into this row of dwarf pear trees in order to test certain fruits, and have interfered with the beauty of my dwarf pear row, but on the whole I can report that it is a success. I have advised my readers living in cities or villages with small acreage of land to plant a row of dwarf pear trees 2, 3 or 4 feet apart in the row through the garden, that is just one row through the center of the garden which will scarcely occupy more space than a row of cabbage plants. By cutting back the branches of these trees each year, cutting off the new growth almost entirely, the trees will be kept within narrow limits and will surprise you with the abundance of beautiful specimens of pears. It is not necessary to buy the largest sized trees for this hedge row. You can buy one year old trees or trees of the smallest size named in the catalogues.

To-day is the time of laughter;
To-morrow the time for tears.
Whatever may come hereafter,
Whatever of woe with years;
To-day is the time to borrow
The best that the gods can give.
We can sorrow, if need be, to-morrow,
But to-day is the time to live.
—Boston "Traveler."

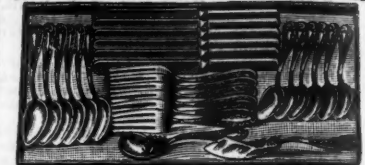
The Cop—Phwat do ye call it, Maggie?
The Cook—Shure, 'tis a Welsh rabbit, ye ignoramus!
The Cop—Faith, t' Judge from th' flavor av the divil, he must have bin raised on cheese!—Brooklyn "Life."

The recovery of gold from sea water is still a fascinating problem. Liversidge has estimated that the ocean contains from 130 to 260 tons of gold per cubic mile, or a total of 100,000,000,000 tons; but if this be divided by 100 the value would still be \$697,711,000,000, while Mr. de Wilde of Brussels finds that all of the gold mined up to the present time would not form a cube more than thirty feet square, representing a value of \$13,559,946,000.

"No, indeed," she said, "I can never be your wife. Why I had half a dozen offers before yours." "Huh!" rejoined the young man in the case. "That's nothing. I proposed to at least a dozen girls before I met you."—Chicago "Daily News."

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It gives you market quotations on all listed and unlisted securities. It will advise you regarding the value of any stock you now hold or have been asked to buy. It will show you how banks take your money and pay you 3 or 4 per cent. and by using your money just as you could use it, pay dividends of from 20 to 100 per cent. It is full to the brim each month with money making information. It will keep the man with the dollars posted and will enable him to double his dollars.

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If you want your money to make money, if you want to get ahead in the world, if you want to save and invest so that you can eventually gain independence, send us your name and address on a postal card to-day. I will send the "Money Maker" to you absolutely free for six months and you will be under no obligations whatever.

W. M. OSTRANDER (Inc.)

559 North American Bldg., Philadelphia.

FEBRUARY

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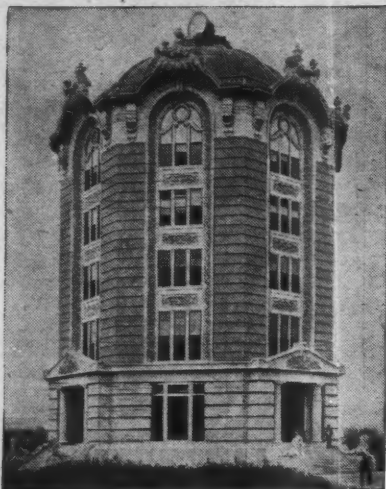
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WOMAN'S NATIONAL DAILY

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WOMAN'S NATIONAL DAILY, Dept. 14, St. Louis, Mo.

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25 PER CENT. COMMISSION Allowed All Subscription Agents Competing and in Addition

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decorations, floriculture, poultry notes, dairy, beauty hints, fun, wit and humor, in addition to the daily market reports and news of the world, and when you tell your friends it is ONLY ONE DOLLAR PER YEAR, you will be surprised at the eagerness with which they subscribe and the consequent rapid growth of your list.

If you desire to compete for these extra commissions, get to work at once. The time is short and it will be to your interest to organize a whirlwind campaign for your subscriptions.

Send in your name and complete post office address with first list of subscribers on the blank, and we will send you samples of the WOMAN'S NATIONAL DAILY and subscription blanks free of all charge, and you can obtain just as many blanks as you can use whenever you desire them. We furnish everything necessary to compete without cost to you.

Don't fail to get your friends and neighbors to help you. The 25 per cent. commission is a handsome compensation by itself, and you are just as likely to earn one of the \$1,000.00 awards as anyone else. No matter where you live in the United States, you are eligible to work for one of these extra commissions in addition to the 25 per cent. commission. The sooner you begin work the greater your opportunities are to secure an extra commission.

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GREEN'S FRUIT GROWER



March 1906

What An Educated Indian Can Do With BRADLEY'S FERTILIZERS

The Indians were the first users of fertilizers. They caught fish and planted Indian corn and other crops on it. We have followed their example and not only catch fish out of the sea, but utilize every product that contains plant food, principally the blood and bone from slaughter-houses, and chemical salts. Based upon the practice of the Indians and chemistry, the great fertilizer industry has grown up. The accompanying picture shows a crop grown by Francis Stanslaus, of Penobscot County, Maine, who is a pure-blooded Penobscot Indian and a college graduate. The field consisted of three acres, was fertilized with three tons of Bradley's High-Grade Fertilizer, and yielded over 1,000 bushels of fine Green Mountain potatoes, which were sold from the field at a good price. The picture shows the advantage of education and science. It shows what an educated Indian can do with a fertilizer that is made in a scientific way of the very best materials.

THE AMERICAN AGRICULTURAL CHEMICAL CO.

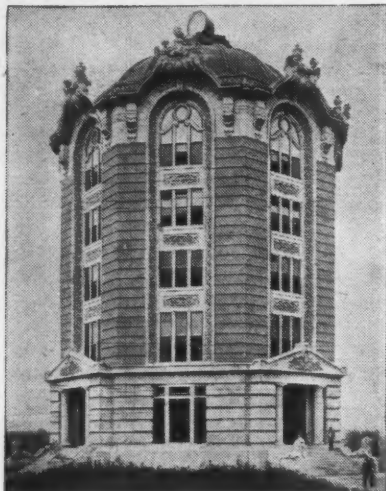
BRADLEY FERTILIZER WORKS

92 State Street

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